

Enviro-News

December, 2017

Sponsored by Daemen College's Global & Local Sustainability Program

Newsletter Contents:

- Articles- including events, courses, local news, grants, positions
- Upcoming Activities
- Tips for the Environment, "Going Green" by Lesley Haynes
- Volunteer Opportunities, Recycling, CSAs and Farms, Organization links

Articles:

Cazenovia Park Community Discussion

Buffalo Olmsted Parks Conservancy (BOPC) is kicking off a series of community meetings focused on the Cazenovia Park-South Park system on **Wednesday, December 6** from 6:00 to 7:30pm at Cazenovia Park Casino (Warren Spahn Way). The meeting aims to provide a venue for discussion of upcoming projects, enhance ongoing communication between the BOPC and community on issues and concerns within the Cazenovia Park-South Park System and collectively plan for future restoration and revitalization of our Olmsted-designed park system. Please join us as we begin this process! For info, contact Andrew Lloyd, Community Outreach Manager at Andrew@bfloparks.org or call (716) 243-1750.

Invasive Species Management Planning Workshop

Invasive species management and management planning can be as complex as the ecosystems natural areas managers are working to protect and restore. Join WNY PRISM on **Thursday, December 14** from 9am to 3:30pm for an Invasive Species Management Planning Workshop at Reinstein Woods Nature Preserve. The workshop is designed to assist managers and planners by providing tools to develop effective site-based management plans. The workshop is free, but registration is required. **Deadline to register is December 4, 2017.** Space is limited. Participants should be prepared to discuss a site for which they are writing, or would like to write, a management plan. For info and to register, contact Andrea Locke, WNY PRISM Coordinator at lockeas@buffalostate.edu.

Sustainable Investing

Sierra Club Climate and Clean Energy Writers Group will meet on **Thursday, December 14** from 6 to 7:30pm at Crane Branch Library, 633 Elmwood, 2nd Floor meeting room. A panel will discuss "Sustainable Investing" and the event is open to the public. Think about it... Are the savings you've invested (401k, IRA, etc.) supporting things you believe in or things you dread? Come hear experts with vision explore how we can invest in a sustainable future. For 2018, you can make a plan to do well by doing good! Speakers include JD Hartman, Sister Jean Sliwinski, and John Stith. Contact billnowa@gmail.com for info.

"Planting and Treating After Emerald Ash Borer" Tree Care Workshop

WNY ReLeaf is hosting a half day workshop that will feature indoor learning sessions for care and replacement of trees to help communities and tree owners recover from an emerald ash borer infestation. The workshop will be **Friday, December 15** from 8am to noon at Parkside Lodge, 84 Parkside Ave., Buffalo. Speakers include: Jim Kisker - Sales Manager, Schichtel's Nursery, Bill Snyder - ISA and TRAW Certified Arborist, Green Leaf Supply, Mike Nierenberg - Pesticide Control Specialist, NYSDEC. **Registration is due to the DEC Albany office by December 7, 2017- [register.](#)**

Ready Your Winter Wheels... Snow Rolls are Coming!

Go Bike Buffalo wants to keep you “slow rollers” active year-round. Snow Rolls regardless of the weather, but on shorter, heartwarming routes. It's a bit colder, but no less fun as long as you layer up! This season of Snow Rolls begins **Saturday December 16** at Essex Street Pub. Meet at noon, ride at 12:30pm.

Christmas Bird Count for Kids

Families can begin a new holiday tradition this year by attending the Christmas Bird Count for Kids. Hosted by the New York State Department of Environmental Conservation (DEC) in partnership with Friends of Reinstein Woods, the event begins at the Reinstein Woods Nature Preserve at 9:00 a.m. on **January 6**, and gives children and their adult chaperones the chance to compete to see who can find the most birds during 90-minute hikes. During the program, kids first participate in “Binocular Boot Camp” to learn basic bird identification and binocular skills before splitting into small teams for the hike. After the hikes, participating children and adults return to the Reinstein Woods Environmental Education Center to enjoy refreshments and share their findings to the group. This free program is a great introduction to birding for children ages 8 to 16 and brings families and community members together to enjoy nature during the holiday season. This event is part of [I BIRD NY](#), an initiative to build on increasing access to the state's vast natural resources and promote low-cost opportunities to explore the great outdoors and connect with nature. Reinstein Woods is located at 93 Honorine Drive in Depew. To register, visit <http://reinsteinwoods.org/cbc4kids> or call Reinstein Woods at [\(716\) 683-5959](tel:(716)683-5959).

Regional Christmas Bird Counts

Audubon Christmas Bird Counts are a century-old citizen science program that collects information about birds. This tradition provides baseline population data that allow us to see trends with climate change and human activity. Many counts are occurring in Western New York and Ontario during December and early January. Check [here](#) for locations and details.

2018 Champions for Change: Accepting Applications

Are you ready to plan a change for your community? Are you ready to join thousands of citizens and hundreds of organizations working to create an equitable, healthy and ecologically thriving region? If so, apply today to become a Champion for Change with One Region Forward's Citizens Planning School! Through a series of six workshops, homework, and teamwork over three months, Champions for Change learn how to turn ideas into action with practical tools, knowledge, and leadership skills. Based on a match of talents and passions, Champions and University at Buffalo students will be placed in action planning teams. Want to learn more? Check out our program overview and application process [here](#). Deadline is **January 26, 2018**.

Registration Open for "Healthy People, Healthy Planet"

The intersection of health and agriculture is the focus of the upcoming Northeast Organic Farming Association of New York's (NOFA-NY) Winter Conference in Saratoga Springs from **January 19-21**. Through its 12 themed tracks featuring more than 80 workshops and presenters, conference attendees have the opportunity to recharge and re-invigorate before the next growing season. The conference is widely-known for networking, mentoring, and learning from wide-ranging experts in workshop tracks including permaculture, homesteading, specialty crops, marketing, and livestock. To register and for complete information, [click here](#), call [\(585\) 271-1979](tel:(585)271-1979), or email registration@nofany.org.

Women Farmland Owners Learning Circle

New York Women Farmland Owners Learning Circles are opportunities for women farmland owners and managers that would like to get together with other women and share information about conservation and stewardship in a relaxed, nonjudgmental setting. Discussions on “Soil Health and Your Land” will be held on January 25 and February 15 at Livingston County Center for Emergency Operations in Mount Morris, NY. [Click here to register and for additional information](#).

Water Academy

Water Academy is a college-level course designed to introduce the community to environmental issues and proactive solutions currently being implemented in the Niagara River watershed. Classes are taught on Tuesdays from 2-4:30pm from **January 23-May 15, 2018**. This program builds upon the success of Buffalo Niagara Waterkeeper's River Academy program, offering a more extensive range of learning opportunities through unique partnerships with local non-profit organizations, including the Western New York Land Conservancy and the Buffalo Audubon Society. Guest lecturers may include representatives from governmental agencies, community organizations and the private sector. Additional educational partners include Cradle Beach Camp, Earth Spirit Educational Services, Friends of Reinstein Woods, the Nature Sanctuary Society, and People United for Sustainable Housing (PUSH Buffalo). For registration info, visit <https://bnwaterkeeper.org/programs/wateracademy/>. The course will be held at the East Hill Foundation (17 Island Street, North Tonawanda, NY 14120) and at various field locations.

Explore Buffalo's 2018 Winter Gala

Explore Buffalo's 2018 Winter Gala will be at the Hotel at the Lafayette! Join us on **Saturday, January 27th** to support the continued growth of Explore Buffalo. Did you know that in three years, Explore Buffalo has grown from annual attendance of 6,200 (2014) to over 18,000 (2017)? We need your continued support to sustain this growth! Purchase a ticket today to join us for an evening in support of Explore Buffalo at one of Buffalo's most elegant settings. Tickets include two drink tickets and an assortment of hors d'oeuvres throughout the evening from Marquis de Lafayette. Music by Saxman Slim will entertain you throughout the evening. The Winter Gala will feature live and silent auctions and a raffle of many unique Buffalo-themed experiences and items, from original local artwork to special behind-the-scenes tours. This is also your annual opportunity to vote on possible new tours for Explore Buffalo's 2018 tour season! [Tickets](#)

2018 Legacy Cities Preservation Conference in Buffalo

Preservation Buffalo Niagara is thrilled that Buffalo will be hosting the next Legacy Cities Preservation Conference from **July 11th – 14th, 2018**. This will be the third biennial interdisciplinary convening of preservationists, community developers, economic developers, urban planners, urban policymakers, urban designers, and others. It will be an opportunity to collaborate, share ideas, and devise solutions for creating a more integrated approach to planning for the future of Legacy Cities, bringing historic preservation into urban policymaking, and crafting a 21st century preservation profession that is responsive to the needs and conditions of Legacy Cities and our diverse inhabitants. Check back for [more info](#).

Adopt-a-Horse: Support the Solar-Powered Heritage Carousel

A solar-powered historic carousel is planned for Canalside in 2018. The Buffalo Heritage Carousel, Inc. is currently restoring the 1924 Spillman carousel which features 34 hand carved and painted animals and 3 chariots, with most currently needing restoration. Consider adopting one of the animals or contributing to the efforts of the project. Adoption status recognizes the sponsor with a plaque on the carousel and the right to name the animal. For info, visit <http://buffaloheritagecarousel.org/>

Life Science Career Lab at the Buffalo Zoo

In January of 2018, the Buffalo Zoo is pleased to offer a Life Science Career Lab program, an eight-week, career-based educational program for teens ages 14-18 who have limited opportunities to gain exposure to life science careers. This program provides in-depth hands-on experiences in 6 different life science careers, career-related activities, group project work and work with a life science mentor. Space is limited. For program and eligibility information and an application, visit <https://buffalozoo.org/single-experience/life-sciences-career-lab/>.

The Foundry Offers Hands-on Classes: Build your own Furnishings

Want a new skill? The Foundry, 298 Northampton St. in Buffalo, offers artisan classes including glass blowing, leatherworking, upholstery and woodworking. To check out the full list of classes, [click here](#).

Grocery Stores are Going Green!

The average grocery store uses 1.5 million gallons of water each year. Grocery stores dispose of half a million pounds of food waste annually, nearly all of which goes to the landfill and use 660 lbs. of cleaning products containing 150 lbs. of hazardous chemicals. The New York State Pollution Prevention Institute (NYSP2I) and DEC teamed up to help grocers drive down their operating costs and reduce their environmental footprint. Read about the [Sustainable Grocer Program](#).

Want to increase your sustainability practices at Work?

We've all heard it before – “buy green products” – but what does that mean and how do I know if I am really purchasing an environmentally preferable product for my home or business? New York State agencies have taken a close look at what it means to buy truly green products and where to find them. They have developed criteria to purchase items that reduce harmful health and environmental impacts, minimize toxicity in packaging, and maximize recycled and renewable content. Check out the deep dive on everything from carpeting to lighting and from electric vehicles to office furniture at the [“Green NY”](#) website.

New York's Got Fish

New York has one of the richest and most diverse populations of fish in the nation. Over 165 fish species inhabit the state's 7,500 lakes and ponds and 70,000 miles of rivers. Learn more about these fish and where they can be found in the [Atlas of Inland Fishes of New York](#). Check out these [images of New York fish species](#) including many dating back to the late 1800s.

The 2017 EJSCREEN is here!

[EJSCREEN](#) is an environmental justice mapping and screening tool that provides Environmental Protection Agency (EPA) with a nationally consistent dataset and approach for combining environmental and demographic indicators. EPA recently updated this useful tool in an effort to expand the way it engages with EJSCREEN users.

Climate Change Info-EPA Web Info Available at Chicago Website

The Environmental Protection Agency (EPA) website is no longer a resource for info on climate change. Previously, it was one of the foremost web resources for information related to the science of climate change. Thanks to the City of Chicago, we can still have access to this information as they have saved and posted the information formerly available at the federal website. You can view the resources (might want to save useful ones) at <https://www.cityofchicago.org/city/en/sites/climatechange/home.html>.

Community Toolkit for Local Food and Revitalization

The Environmental Protection Agency has released the [Local Foods, Local Places Toolkit](#) which is meant to help communities interested in undertaking a similar process to develop their own plans for setting and achieving local food and revitalization goals. The toolkit was developed over the course of delivering the Local Foods, Local Places technical assistance and compiles best practices and lessons learned from the program. A facilitator, either from the community or hired from outside, could use this toolkit to help a community articulate its goals, engage stakeholders, and prioritize achievable actions to make progress.

NY-Sun Solar Guidebook and Technical Assistance for Local Governments

NYSERDA launched the [NY-Sun Solar Guidebook for Local Governments](#) which includes updates to the NYS Unified Solar Permit and guidance on the New York State fire code, along with other practical info to aid local officials. Does your town need an expert's opinion on a solar question? Local governments can access free training and technical assistance from NYSERDA's NY-Sun Photovoltaic Trainers Network (PVTN). The PVTN offers in-person [trainings](#) for municipal officials statewide and a set of [online resources](#) about solar energy.

DEC's New York Green Business Program

Would you like to support the expansion of green businesses in your community? Governor Cuomo and DEC are pleased to announce the launch of the New York Green Business (NYGB) program. NYGB provides recognition and benefits to businesses that are committed to sustainability and protecting New York's environment. As one benefit, NYGB members will receive priority access to technical assistance programs, including experts at the New York State Pollution Prevention Institute, to help them carry out sustainability programs. Local governments can play a role in helping green businesses thrive in their communities through planning, outreach, and incentives. Local governments can even earn points under the Climate Smart Communities Certification program for actions completed under pledge element 8: Support development of a green innovation economy. For more info, contact brendan.woodruff@dec.ny.gov. NYGB is managed by DEC and is free and voluntary for businesses to participate in. DEC is accepting applications for the program through the close of business on **Friday, December 15, 2017**.

New "Levitating" Crosswalk Design to Increase Pedestrian Safety

To reduce our pedestrian accidents, we may consider a creative strategy used by a town in Iceland. A new crosswalk design, which appears three-dimensional with the crosswalk seemingly suspended above the road, should keep drivers more alert to pedestrians. Check out the ingenious design at <https://qz.com/1113713/a-small-town-in-iceland-created-a-levitating-crosswalk-to-slow-traffic/>.

Project Sunroof

Are you curious about how much solar could be generated by your roof? Now you can use Google Earth imagery to analyze your roof shape and local weather patterns to create a personalized solar plan. Check it out at <https://www.google.com/get/sunroof#p=0>.

Reuse Action in Action: Source for Reusable Materials

Reuse Action helps deconstruct buildings to return building materials to the supply chain. Check out the video [here](#) for their recent work. The store will also take your used furniture, cabinetry or building supplies. Don't send them to the landfill, donate them to Reuse Action. Check out their website at www.reuseaction.com, call the store at 716-894-3366, or stop by 980 Northampton Street. Profits from sales put people to work!

Tool for Sourcing Local Meat

A new website is available to help consumers locate local farmers who produce meats. You will be able to connect with local producers to choose the growing practices that suit your lifestyle and help support the regional economy. Visit the tool at <http://meatsuite.com/>

A Cup of Joe Fuels to Fuel the Bus

Waste coffee grounds will be used to help power some of London's buses. A biofuel created by blending oil extracted from coffee waste with diesel is to be added to the public transport fuel supply. Bio-bean, a technology firm, calculates that it would take just over 2.55 million cups of coffee to create enough biofuel to run a London bus for a year once the oil has been blended with diesel. The company takes the used grounds from coffee shops and instant coffee factories, and extracts oil from it in its factory. Read more at <http://www.bbc.com/news/uk-england-london-42044852>

Watch the Know Your Food Series

Know Your Food is a short film series that introduces consumers to key terms and principles that can help them make more informed decisions about the food they eat. [Click here to watch the Know Your Food videos.](#)

Greening Park Infrastructure

EPA has produced a guide titled, [Green Infrastructure in Parks: A Guide to Collaboration, Funding, and Community Engagement](#), to encourage partnerships between park agencies and stormwater agencies to promote the use of green infrastructure on park lands. Green infrastructure can help to maximize the environmental, economic, and social benefits of parks. By building strong partnerships, agencies can improve park lands and access to parks, better manage stormwater, increase community resiliency to shifting weather patterns, and provide funding to implement and maintain park enhancements that benefit the community. Case studies are included to illustrate the approaches presented in the guide. These real-life examples portray how partnerships between municipal stormwater agencies and parks departments have improved recreational resources in the community, enhanced environmental protection, and reduced risks and burdens.

Food not Bombs

Buffalo Food Not Bombs prepares shares a free vegan meal with anyone who is hungry at Lafayette Square on Mondays and Saturdays from 1 to 2 p.m. Volunteers are ALWAYS welcome! Food Not Bombs shares food as a form of political protest, drawing attention to the fact that society fails to provide food and housing for all people, while hundreds of billions of dollars are given to fund wars and state violence. For info, [foodnotbombs](#)

Hemlock Woolly Adelgid Educational Video

The New York State Hemlock Initiative is sharing an educational video to inform the public about their efforts to conserve New York State's hemlock resources in the face of multiple threats, particularly that posed by an invasive pest, the Hemlock Woolly Adelgid. Mortality due to Hemlock Woolly Adelgid (HWA) in New York has increased at an alarming rate recently. For info, visit [here](#). View video at <https://www.youtube.com/watch?v=AupnMjYaI0Q>.

Cornell Small Farms Program Offers Online Courses

Cornell Small Farms Program offers over twenty courses to help farmers improve their technical and business skills. Students connect with other farmers, work on farm plans, and gain practical tips without leaving their home. Each week features an evening webinar and follow-up readings, videos, and activities. Students and their instructors connect through online forums and live chat. If you aren't able to attend the webinars in real-time, they are always recorded for later viewing. Check the listings at <http://www.nebeginningfarmers.org/online-courses/>

Sustainable Sex Toys

Now that I have your attention-there are always more sustainable options for all of your purchases. If your shopping list has more avant-garde items, consider the sustainably made artisan toys. No silicone, rubber or plastic with these! Check out these hand-made pieces at [sexyandsustainable](#).

Environmental Working Groups Guide to Healthy Cleaning and Safe Drinking Water

Environmental Working Group provides a Guide to Healthy Cleaning which provides detailed information on more than 2,500 products, letting you easily find out about the health hazards and ecological concerns associated with the thousands of chemicals in cleaners. Check it out at [EWG's Guide to Healthy Cleaning](#). You can also check out their drinking water database which is searchable by zipcode at [EWG's Tap Water Database](#).

Creating Safer Streets Around Schools: One Crosswalk at a time

Cornell Cooperative Extension of Niagara County's Creating Healthy Schools and Communities grant (CHSC), in partnership with GoBike Buffalo, the City of Niagara Falls Department of Community Development, and the Niagara Falls City School District, have partnered up to create safer crosswalks around schools in Niagara Falls. The program, called Complete Streets, seeks to make streets planned and maintained for safe and convenient travel for residents. Crosswalk painting projects have been completed at Niagara Street Elementary, Gaskill Preparatory, Cataract Elementary, LaSalle Preparatory, 72nd Street, and Maple Avenue Elementary Schools. Additionally, several more schools in Niagara Falls are scheduled to have vibrant crosswalks painted later this school year. Pedestrian safety is a concern in school zones and on school campuses everywhere. In neighborhood schools where the majority of students walk, bike or are driven to school, reducing driver speed in school zones is critical. When students can safely walk or bike to school, they are incorporating physical activity into their day and will be more focused and ready to learn. Walking and bicycling to school also helps reduce air pollution and traffic congestion around schools.

Community Planning Resource Available

[Design Your Town](#) is an interactive web-based resource for citizen planners, professionals and anyone concerned about the quality of the villages and landscapes where they live. Collaborators on Design Your Town were the Orange County Department of Planning, Regional Plan Association, Pace University Land Use Law Center and the Lincoln Institute of Land Policy, with additional funding from the Hudson River Valley Greenway.

Current NY Environmental Bills List

Every week during the New York State Legislative Session, Environmental Advocates of New York reviews all of the bills introduced in legislative committees or on the floor of the State Senate and the Assembly. They then issue a memo that summarizes the legislation and describes our position on measures with significant environmental impact. If you would like to sign up for this listing, you can see the status of New York State legislation and can take action on those that are important to you. <http://www.eany.org/our-work/bill-ratings>

Climate Science Special Report

In accordance with the Global Change Research Act of 1990, the USGCRP is required to conduct national climate assessments (NCA) at regular intervals. This recent report states that stronger evidence has emerged for "continuing, rapid, human-caused warming of the global atmosphere and ocean." Each chapter of the Report includes key findings based on the authors' expert judgment of the synthesis of the assessed literature. With each key finding, the CSSR provides its level of confidence ranging from "low" (inconclusive evidence, disagreement, or lack of opinions among experts) to "very high" (strong evidence, high consensus). Read the executive summary and access chapters of the report at <https://science2017.globalchange.gov/>

Climate Change Education Partnership Offers Webinar Series for Teachers

A series of four webinars will complement the newly released *Climate Change Education: Effective Practices for Working with Educators, Scientists, Decision Makers, and the Public* [guide](#). Produced by the CCEP Alliance, this guide provides recommendations for effective education and communication practices when working with different types of audiences. Please use this [link](#) to see the archived webinars in this series

Free Riparian Buffer Resource Published

Division of Water publications are now available on the DEC website. [Protect Our Waters: Funding and Assistance for Planting Riparian Buffers](#) (PDF, 801 KB) describes the variety of federal, state and local technical assistance and funding programs for landowners, municipalities and conservation organizations to plant [riparian buffers](#) to improve water quality and wildlife habitat.

Better than Ed

Actor Ed Begley has gained a reputation for living sustainably and encouraging others to do so. He is featured in a new series of videos, "Better than Ed". Check out the videos at <http://www.betterthaned.org/> covering topics like population growth, food waste, energy waste and others.

EPA Climate Change Indicators Report Available

The U.S. Environmental Protection Agency (U.S. EPA) has updated 'Climate Change Indicators in the United States (Fourth Edition)'. The report is available for download at www.epa.gov/climate-indicators.

Help Your Local School Reduce Food Waste

It's not uncommon for schools to throw away good food, even when many of their students don't have enough good food to eat. In partnership with the Oakland Unified School District and the public agency StopWaste, Food Shift established a food collection and donation program for Oakland, CA schools. The Earth Island project also helped [develop a guide](#) to capture best practices and templates for replication of the food recovery program. Please share the guide with any parents or school professionals you know who might want to start a similar program.

Green Strides Webinar Series

The Green Strides Webinar Series promotes sessions that provide free tools to reduce schools' environmental impact and costs; improve health and wellness; and teach effective environmental education. Upcoming November webinars include Remote Sensing (Nov. 2), Water (Nov. 8) and Food Organics Waste (Nov. 9). Check out all of the topics and access info at <http://www.greenstrides.org/webinars>.

Teacher's Resources

[Botany Primer: Understanding Botany for Nature's Notebook](#)- designed to help observers make reliable plant observations for submission to the Nature's Notebook citizen and professional science program. It covers basic botany, phenology vocabulary and the USA-NPN's plant phenophases. It is also very appropriate for those interested in simply learning more about botanical terms and concepts, separate from participation in Nature's Notebook.

[Solar Ovens & Design Critiques](#)-In this unit, students design, build, and test solar ovens. They critique and refine their own oven, as well as their peers' designs. Students learn about how energy is transformed from solar radiation to heat and infrared radiation. They use an interactive simulation to extend the design process. They test their ovens using heat lamps, and use a budget to constrain their design. The budgeting activity helps students consider trade-offs in the design. They evaluate each material they use with regard to their goal. Students go through two iterations of designing, building, and testing. Between the two iterations, student groups critique each other's ovens. During the second iteration, students engage in self-critique of their ovens prior to re-design.

[Conservation Connect](#) is a web-based video series produced by the U.S. Fish and Wildlife Service, National Conservation Training Center (NCTC). Our goal is to connect a new generation of conservationists, ages 8-16, with the great outdoors, wildlife species, and conservation careers. Conservation Connect is available to youth groups, schools, homeschoolers, nature centers, and other educational programs throughout the country, free of charge.

[Humpback whale activity books](#)- Learn about whales and their migration.

[How can teachers get students to learn science from each other](#)-By communicating science, students can reinforce and help others learn.

[Sky, Water, Earth: self-paced online science activities for youth](#)- collection of free, online, self-paced activities that are designed for youth between the ages of 16-22 who are interested in the field of science.

[High School Teacher's Guide for Climate Choices: How should we meet the challenges of a warming planet?](#)

[Middle School Teacher's Guide for Climate Choices : How should we meet the challenges of a warming planet?](#)

[Project GRACE](#)- To prepare youth in economically disadvantaged communities for the prospect of careers in science, technology, engineering, or mathematics (STEM) through Geographic Information Systems (GIS).

[FoodSpan](#) is a free, downloadable curriculum that provides high school students with a deep understanding of critical food system issues, empowers them to make healthy and responsible food choices, and encourages them to become advocates for food system change.

[Climate Change and the Water Cycle: Four Big Questions Answered](#)-Free e-book. Dramatic changes to our planet like glaciers calving into the sea and record-setting temperatures make front page headlines around the world. But while other disruptions caused by the climate crisis – such as the transformation of our planet's water cycle – are a little less immediately striking, they can be even more profound and far-reaching. The consequences can also seem confusing and contradictory. How is it even possible that climate change increases our risk of both heavy rains and extreme droughts?

[PollinatorLIVE: A Distance Learning Adventure](#)- resource that aims to meet national science education standards and promoting conservation action through education. PollinatorLIVE has lesson plans, web seminars, and information to increase the understanding of pollinators and their importance.

[Nature's Lights](#) explores how light is essential in the natural world, and how and why animals that live in the dark produce light via bioluminescence so that they can find food and communicate with others.

[Guess the Pollinator](#) is a fun creative activity which teaches students that certain animals have preferences for a flower type, color, shape or smell. Using the Coloring Sheets, students will colour in a chosen flower, then use the facts written underneath to match their flower up with its pollinator.

[Design a Flower](#) teaches students about what pollination is and how it happens. Using what they learned, students will then receive a card with a specific pollinator on it and will be asked to design the perfect flower for them.

[Seeing Red](#) teaches students about frequencies of light and how different colored light is absorbed or transmitted by colored filters. They will also discover how some animals use bioluminescence and color perception to outsmart prey.

[Materials Science and the Problem of Garbage](#)-Equip students to make informed choices about materials use and disposal with a series of lessons in which they investigate the technological and engineering ingenuity involved in making materials—and also the environmental ramifications.

[Water Agriculture Sustainability](#)-InTeGrate provides this three to five-week module that provides a framework for students to learn about how people interact with water, peer into our water future, and consider ways we might foster more sustainability in water management. After assessing our major water challenges, the module has students learn about the concepts of water sustainability, virtual water trade, and water footprints. The focus then turns to the interplay between agriculture and water resources, as agriculture has the greatest impact on freshwater consumption and quality.

[Remember the Rainforest](#)-free resources for K-12 with images of rainforest ecosystems for awareness.

[Cornell Webinars](#) -Our free webinar series covers topics like bird-friendly gardens and bird communication.

[Book Guide for On Bird Hill](#)- Our free guide for grades K–2 turn [this charming book](#) into lessons in science, art, math, and literacy.

[Edible Learning Lab](#)-curriculum allow kids (K-12) to manage the food production process from "Lab to Table".

[PLT Online Professional Development for GreenSchools](#)-6 learning hours of professional development for formal and informal educators.

[Green Schools Membership](#)- Free for Teachers, educators, students, and administrators. Access to lots of resources.

[Greening STEM](#) -infographics, toolkits, activity guides, and video resources contain free educational material in popular environmental topic areas that incorporate elements of STEM. Many of the activities and resources include project-based learning, service-learning, and citizen science components.

[Flipside Science](#) is a youth-powered series that tackles complex environmental topics and empowers viewers to make a difference. This engaging and upbeat collection of videos, hosted by California Academy of Sciences youth, explores how local communities are addressing environmental problems.

[Sustainability in Schools Simulation Game](#)- The Education for Sustainability program has designed a simulation game to show how to identify sustainability related projects that make financial sense and weave them together into a coherent strategy that takes advantage of synergies. It also shows how to use those projects in curriculum.

[Cool Science Jobs](#) provides real stories about “cool” jobs using science to help inspire the next generation. They also include vocabulary and can be used as mini-lessons in the classroom.

[Keep Wild Animals Wild](#) lesson plans, videos and worksheets provide everything educators need to introduce students to what makes wild animals wild, why wildlife trade is a big threat not just to animals and ecosystems, but to people too, and how to help keep wild animals wild.

[Black bear curriculum](#) - provides of free multimedia resources on black bears for educators and students.

[12 Pathways to Greening Your School](#) is designed for you to use September - June (1-10) with two serving as year-round learning tools. But, you can put them in any order that aligns with your program. If you'd like to have access to all of these Pathways please become a [FREE MEMBER NOW!](#)

[Faces of EPA](#)-Learn about careers in the EPA and get to know EPA staff. The videos spotlight employees ranging from special agents, to ocean explorers, and others as they explain their career paths and passion for their work.

[Project Localize](#) is a customizable curriculum to explore sustainability locally while building knowledge and skills in research, math science, digital technologies, and art through project-based learning. Students participate in field trips to visit local food producers as they employ journalistic practice in gathering the information for their artwork.

[Dr. Seuss's The Lorax activity book](#) is one of EPA's most highly sought after publications and is available for free to schools and classrooms around the country.

[Raptors in the City](#) is a real-time, inquiry-based science program that stars the peregrine falcon. The peregrine has recovered from near extinction and was removed from the Endangered Species list in 1999. The program guides children through nesting season as they watch the still rare falcons live via cameras mounted on a skyscraper.

[Getting the Picture: Our Changing Climate](#)-The adventures of scientist-photographer James Balog and the Chasing Ice team come to life in a newly released climate science education resource which provides a unique, interactive, multimedia experience for students and educators to learn about the latest climate science and witness real-world changes occurring around the world.

[SMILE: New STEM Activities for Educators](#) is an award-winning, free access collection of nearly 4,000 STEM education activities. Many activities are grouped by topics with environmental themes including energy, climate, life sciences, and ocean literacy. Activities are also aligned with standards and principles such as the Climate Literacy Principles, Ocean Literacy Principles, and U.S. DOE Energy Literacy framework.

[Free ArcGIS for K-12](#) -Esri is providing free ArcGIS Online subscriptions for use for all K-12 schools. Resources to help schools get started with ArcGIS Online are available [here](#).

The [CLEAN](#) (Climate Literacy and Energy Awareness Network) collection is a searchable database for teachers to find online activities, videos, and graphics on climate and energy education. Teachers may sign up for the newsletter with updates on educational policies, discussions with experts, events, and weekly telecons.

[Green Technology: Sustaining the Earth](#) is designed for Grades 6-12 . Use this interactive activity to offer your students an overview of innovation in green technology and insight into various areas of research within the field.

["Appetite for Adventure: Exploring Global Food Sustainability"](#)- This standards aligned, multimedia presentation will showcase cutting-edge sustainable food projects from around the world, introducing students to the local and global connections between food production, consumption, and climate change.

[Architecture 2030](#) is appropriate for Grades 9-12. Learn about this architect's efforts to protect the environment by changing the way buildings are planned, designed, and constructed.

[Affordable Green Housing](#) is designed for Grades 9-12 to consider the role habitat plays in fostering diverse, vibrant social structures in well-designed, integrated communities.

[Bird Sleuth](#) for K-12. Kits and resources for learning more about birds.

Contests and Awards

[INNOVATION 2030](#) is the title and theme of the 2017-2018 COTE Top Ten for Students design competition, presented by AIA COTE and ASCA, in special collaboration with Architecture 2030 and Design Intelligence. Students are invited to submit design projects that meaningfully address the causes of climate change and anticipate its future impacts, well into the second half of this century. Registration Deadline: **December 6 (submission due January 17)**.

[Shell Science Lab Challenge](#). The Challenge encourages science teachers (grades 6–12) in the United States and Canada, who have found innovative ways to deliver quality lab experiences using limited school and laboratory resources, to [apply](#) for a chance to win up to \$93,000 in prizes, including a grand prize school science lab makeover support package valued at \$20,000. The deadline for submissions is **December 15**.

[9th Annual Arbor Day Poster Contest](#)- for Fifth Graders. The New York State Department of Environmental Conservation (DEC) is now accepting submissions with the theme "Trees for Bees." Students are asked to create an original poster depicting this theme. The winner will have his or her artwork replicated as DEC's official 2018 New York State 5th Grade Arbor Day Poster and the winning poster will be presented at the annual Arbor Day Celebration in Albany. State Accepting Poster Submissions, Deadline: **January 5, 2018**.

[The Purpose Challenge Essay Contest](#)- Find your purpose and win up to \$25,000 for college! The Purpose Challenge toolkit helps high school seniors explore and identify their purpose - infusing what they learn about themselves into their 2017-2018 college applications. They can enter that essay in a contest; six students will win prizes ranging from \$5,000 to \$25,000. Deadline: **February 1, 2018**.

[President's Environmental Youth Award](#) (PEYA) - program recognizes outstanding environmental projects by K-12 youth. Each year the PEYA program honors a wide variety of projects developed by young individuals, school classes (kindergarten through high school), summer camps, public interest groups, and youth organizations to promote environmental awareness. Recent award-winning student projects included forming recycling programs for pencils and books, starting an environmental news YouTube channel, and creating a better method to protect migratory birds from airplanes. Projects need an adult sponsor. Talk to your students today about submitting their work. Deadline: **March 1**.

[Presidential Innovation Award for Environmental Educators](#) : recognizes outstanding K-12 teachers who employ innovative approaches to environmental education and use the environment as a context for learning for their students. PIAEE's winners will be awarded up to \$2,500 to be used to further their professional development in environmental education. The teacher's local education agency will also receive up to \$2,500 to fund environmental education activities and programs. Deadline: **March 1**.

[Apply to Become a 2018 U.S. Department of Education Green Ribbon School](#)-The U.S. Department of Education invites state education authorities to nominate schools, districts, and postsecondary institutions for U.S. Department of Education Green Ribbon Schools (ED-GRS) 2018. Deadline: **March 31, 2018**.

[The Biomimicry Global Design Challenge](#) is an annual team competition that focuses on addressing critical sustainability issues with nature-inspired solutions. This year's focus is on climate change. Deadline: **May 1, 2018**.

Grant and Scholarship Opportunities

[Conservation Alliance Grants](#)- seek to protect threatened wild places throughout North America for their habitat and recreational values. As a group of outdoor industry companies, we recognize our responsibility to help protect the wild lands and waterways on which our customers recreate and wildlife thrives. Deadline: **December 1, 2017**.

[New York State Agricultural Society Foundation](#)-The Foundation supports the mission of the NYS Agricultural Society, focusing on education, leadership development, and recognition for future generations involved in the New York State food and agriculture industry. The foundation will provide financial support to nonprofit organizations serving New York State residents in the form of grants of up to \$2,500. Deadline: **December 1, 2017**.

[Safer® Brad Garden Grant for Schools](#)-Safer® Brand offers a yearly grant of \$500 to help a school develop and/or maintain an onsite garden. Deadline: **September 1** and **December 1**.

[Community Food Projects Competitive Grant Program](#) is a program to fight food insecurity through developing community food projects that help promote the self-sufficiency of low-income communities. Preferred projects develop linkages between two or more sectors of the food system, support the development of entrepreneurial projects, develop innovative linkages between the for-profit and nonprofit food sectors, encourage long-term planning activities and multisystem, and build long-term capacity of communities to address the food and agricultural problems of communities, such as food policy councils and food planning associations. Deadline: **December 4, 2017**.

[Northeast SARE Farmer Grants](#)- for commercial producers who have an innovative idea they want to test using a field trial, on-farm demonstration, marketing initiative, or other technique. A technical advisor-- extension agent, crop consultant, or other service professional--must also be involved. Projects should seek results other farmers can use, and all projects must have the potential to add to our knowledge about effective sustainable practices. To apply, you must be a commercial farmer in the Northeast SARE region. Deadline: **December 5, 2017**.

[Annie's Homegrown School Garden Grants](#)—Public schools, public charter schools, private schools with 501c3 non-profit status, nonprofits supporting a garden at a public or a non-profit private school, school districts and homeschools with 501c3 or charity status. What projects are eligible? Edible school gardens. Deadline: **December 5**.

[Farm to School Grant Program](#) helps to facilitate the relationship between institutional school food purchasers and local farmers and ranchers. The Farm to School Grant Program provides grants on a competitive basis to increase local food procurement for school meal programs and expand educational agriculture and gardening activities. These grants can be used for training and technical assistance, planning, purchasing equipment, developing school gardens, developing partnerships, and implementing farm to school programs. Deadline: **December 8, 2017**.

[Park and Trail Partnership Program](#) grant applications support projects ranging from open space conservation to municipal recycling, and climate change programs to stewardship of our shared greenspaces. Deadline: **December 8**.

[Specialty Crop Research Initiative](#) -USDA National Institute of Food and Agriculture initiative that addresses the critical needs of the specialty crop industry by awarding grants to support research and extension that address key challenges of national, regional, and multi-state importance in sustaining all components of food and agriculture, including conventional and organic food production systems. Five focus areas have been identified. Pre-applications may be submitted by Federal agencies, national laboratories, colleges and universities, research institutions and organizations, private organizations, foundations, or corporations, State Agricultural Experiment Stations, Cooperative Extension Services, individuals, or groups consisting of two or more of these entities. A total of \$48.1 million in matching funds is available. Pre-applications are due **December 8, 2017**.

[Food Insecurity Nutrition Incentive Competitive Grant Program](#) supports projects to increase the purchase of fruits and vegetables among low-income consumers participating in the Supplemental Nutrition Assistance Program (SNAP) by providing incentives at the point of purchase. The anticipated amount available for NIFA to support this program in FY 2018 is approximately \$21 million. Deadline: **December 13, 2017**.

[Kids Gardening Youth Garden Grants](#)— Nonprofits, public or private school, and youth programs in the United States for new garden program or expanding an established one that serves at least 15 youth between the ages of 3 and 18. US \$500—US \$750 in in-kind support. Deadline: **December 15**.

[Scholarships available for garden communication](#) -College and technical school students interested in a career in garden writing, photography or blogging can apply for a scholarship from the GWA Foundation, the 501(c)(3) charitable partner of GWA: The Association for Garden Communicators. Deadline: **December 15**.

[EPA Environmental Workforce Development and Job Training Grants](#) - train unemployed and under-employed residents of communities impacted by a variety of waste facilities, blighted properties, contaminated sites, and other environmental issues, for environmental jobs that contractors may otherwise fill from outside the affected community. EWDJT Grants help residents take advantage of the jobs created by the management, assessment, cleanup, and revitalization of solid and hazardous waste sites, as well as other environmental projects in their communities, such as water quality improvement, chemical risk management, and pesticide management efforts. Deadline: **December 15, 2017**

[Organic Farming Research Foundation Research Grants](#)-is accepting proposals for 2018 research projects on organic farming and food systems from applicants in the United States, Canada, and Mexico. Priority areas are soil health, innovative weed control, management of emerging insect and disease issues, and livestock health. Deadline: **December 15, 2017**.

[NOAA Funding Opportunity for 2018 Environmental Literacy Grants \(ELG\)](#) for projects designed to support the education of the public and/or K-12 students so they are knowledgeable of the ways in which their community can become more resilient to extreme weather events and/or other environmental hazards, and become involved in achieving that resilience. The deadline for full applications is April 6, 2018. Required pre-applications due: **December 19, 2017**.

[Celebrate Urban Birds Mini-Grants!](#) We can't wait to see the incredible projects that will be proposed to connect communities with nature, birds, arts, and citizen science! All mini-grant applicants are offered free Celebrate Urban Birds Kits and training to support their events (even if their proposals are not funded). Organizations working with underserved communities are strongly encouraged to apply. No experience with birding is needed. Mini-grants range from \$100 to \$750. Deadline: **December 31**.

[Katie's Krops Start a Garden Grants](#)-For ages 9-16 to start and maintain a community vegetable garden and donate proceeds. Deadline: **December 31**.

[Great Lakes Restoration Initiative Cooperative Weed Management Areas Request for Proposals](#)-Cooperative Weed Management Areas (CWMAs) and other similar organizations are invited to submit proposals for the US Forest Service Great Lakes Restoration Initiative (GLRI). Estimated available funds totaling \$600,000 (\$40,000 per project max) are provided through an Interagency Agreement with the Environmental Protection Agency to award competitive grants to CWMAs for the management of invasive plants within the Great Lakes Basin. Deadline: **January 5, 2018**.

[Great Lakes Fish and Wildlife Restoration](#)- The U.S. Fish and Wildlife Service is accepting proposals to protect, restore and enhance Great Lakes fish and wildlife habitat under the Great Lakes Fish and Wildlife Restoration Act. Deadline: **January 8, 2018.**

[2018 NOAA Coastal Management Fellowship](#) -Deadline: **January 19, 2018.**

[US Forest Service Wood Innovations Funding Opportunity](#) - The US Forest Service requests proposals to substantially expand and accelerate wood energy and wood products markets throughout the United States to support forest management needs on National Forest System and other forest lands. This Request for Proposal focuses on the following priorities: reduce hazardous fuels and improve forest health on National Forest System and other forest lands; reduce costs of forest management on all land types; and promote economic and environmental health of communities. Deadline: **January 22, 2018.**

[2018 NMFS-Sea Grant Fellowships in Marine Resource Economics](#) -Fellowships for students who are interested in careers related to living marine resources. Deadline: **January 26, 2018.**

[2018 NMFS-Sea Grant Fellowships in Population and Ecosystem Dynamics](#)- Fellowships for students who are interested in careers related to living marine resources. Deadline: **January 26, 2018.**

[New Farmer Grant Fund](#)-New York State announced \$1 million for the 4th round of the New Farmers Grant Fund. The grants will help beginning farmers improve profitability through one or both of the following program goals: expanding agricultural production, diversifying agricultural production and/or extending the agricultural season, and advancing innovative agricultural techniques that increase sustainable practice. Deadline: **January 26, 2018.**

[New York State Veterans Farmer Grant Fund](#)- to support veterans across the state grow their agricultural businesses. The grant fund helps improve the profitability of a farm owned by a veteran through one or both of the following program goals: expanding agricultural production, diversifying agricultural production and/or extending the agricultural season, and advancing innovative agricultural techniques that increase sustainable practices. Deadline: **January 26, 2018.**

[Five Star and Urban Waters Restoration Grant Program](#)- The National Fish and Wildlife Foundation and the Wildlife Habitat Council, in cooperation with the U.S. Environmental Protection Agency, USDA Forest Service, U.S. Fish and Wildlife Service, FedEx, and Southern Company are pleased to solicit applications for the 2018 Five Star and Urban Waters Restoration program. The Five Star and Urban Waters program will award approximately \$2 million in grants nationwide. Deadline: **January 31, 2018.**

[Electronic Waste Assistance Grants](#)-Funding available to NYS municipalities to help offset costs associated with the collection and recycling of e-waste. Municipalities may receive reimbursement of up to 50% of eligible expenses incurred for the recycling of e-waste between April 1, 2017 and December 31, 2017. Deadline: **January 31, 2018.**

[2018 Healthy Watersheds Consortium Grant Program](#)- Funding Watershed Action Projects, Watershed protection capacity and Advancing the state of practice - Awards new experimental technologies, methods, strategies, or approaches to incentivize watershed protection that can be scaled to a broader level. Awards may not be used for lobbying or political advocacy. At least a 25% in-kind match is required. Deadline: **February 1.**

[Urban Environmental Education Centers](#)-To help community-based organizations in their efforts to educate residents on environmental issues. Centers will explore a broad range of topics such as urban ecology, environmental justice challenges, green technology, and urban environmental sustainability. Grant # DEC01-EJ-2017. Deadline: **February 2.**

[Fiskars Project Orange Thumb](#)—Nonprofits located in the US and Canada. Projects within communities who are working on collaboration, neighborhood beautification, and healthy, sustainable food sources. Deadline: **February 9.**

[2018-19 Great Lakes Commission – Sea Grant Fellowship](#) -This fellowship focuses environmental and sustainability. Deadline: **February 16, 2018.**

[New York State Wetlands Forum Research Grant](#)- supports candidates in independent research with a focus on wetland science. Through this grant program the Forum hopes that students (junior/senior undergrad or graduate student) may become enriched with knowledge, which will help them attain their career goals. Deadline: **February 19, 2018**.

[ScottsMiracle-Grow GRO1000 Grant](#)— Nonprofits located in the US. Grassroots Grants are awarded to local communities to help bring pollinator habitats, edible gardens and public green spaces to neighborhoods across the United States. Deadline: **February 20, 2018**.

[2019 National Sea Grant College Program Dean John A. Knauss Marine Policy Fellowship](#)- A fellowship for students interested in ocean, coastal and Great Lakes resource policy. Deadline: **February 23, 2018**.

[N.G. Kaul Memorial Scholarship](#)- In honor of the former Director of the Division of Water, up to \$5,000 in scholarships is available to students pursuing graduate or doctoral degrees in environmental/civil engineering or environmental science concentrating on water quality who show a commitment to government service. Deadline: **February 28, 2018**.

[NOAA Environmental Literacy Grants](#)- to support the education of K-12 students and the public so they can help make their community more resilient to extreme weather events and/or other environmental hazards, and become involved in achieving that resilience. Project topics must relate to mission of the the National Oceanic and Atmospheric Administration (NOAA) in the areas of ocean, coastal, Great Lakes, weather, and climate sciences and stewardship and should focus on one or more of the goals of NOAA's Next Generation Strategic Plan: healthy oceans; weather-ready nation; climate adaptation and mitigation; and resilient coastal communities and economies. For more information, visit the [funding opportunity description](#). Deadline: **April 6, 2018**

[Wells Fargo Clean Technology and Innovation Grant Program](#) funds projects and programs related to research and development for new and emerging clean technologies by working with universities, colleges, research institutes and laboratories as well as entrepreneur incubator, accelerator and business plan competitions. If you would like to submit a topic for consideration provide a brief description (150 words or less).

[Toyota Every Day Capacity Building Grants](#)- Up to \$5000 for 25 Public Lands Friends' groups in each cycle. Projects that are needed and will help contribute to the long- term sustainability of the organization. Deadlines: **April 30 and October 30**.

[Project Produce: Fruit and Veggie Grants for Schools](#)-designed to help increase kids' access to fresh fruits and vegetables and create experiential nutrition education when and where students make their food choices: in the cafeteria. The \$2,500 one-year grants support food costs to incorporate school-wide fruit and vegetable tastings into the school's nutrition program. Grants will be determined on an ongoing basis depending on available funding.

[Industrial Hemp Processing Grant Fund](#)-New York State has also allocated up to \$5 million for grants for machinery and equipment required to process industrial hemp for commercialization in New York. Grants may provide a minimum of \$50,000 and a maximum of \$500,000 for up to 50% of total project costs supporting capital investments. To be eligible, the facility must be located wholly in New York State which processes industrial hemp for commercialization.

[NIEHS Conference Grants](#)-The mission of the National Institute of Environmental Health Sciences (NIEHS) is to discover how the environment affects people in order to promote healthier lives. The NIEHS Conference grant program is considered an integral part of the overall mission of the Institute; thus it is critical that all conference grant applications have a direct relationship to advancing the mission of NIEHS. In order to be responsive, all conference grant proposals must focus on or clearly indicate relevance to advancing our understanding of the role of environment and/or gene-environment interactions in disease/dysfunction. Deadline: **Rolling**.

[Youth Pollinator Gardens Grant](#)- up to \$200, are available for projects that include educational materials on the vital role pollinators play in nature and youth involvement in planning and planting gardens providing nesting and food sources for pollinators. Youth will learn the importance of providing appropriate food sources, nesting areas, shelter, and practicing sustainable gardening practices for pollinators by planning, planting, and maintaining these pollinator gardens. To apply for a grant, complete an NGC Grant Application, provide detailed information about the project, and submit your request to the NGC Youth Committee Chairman for approval.

[The Karma for Cara Foundation](#) is encouraging kids 18 and under to apply for funds between \$250 and \$1,000 to complete service projects in their communities. **Deadline: Rolling.**

[Cornell Douglas Foundation](#)- Its mission is to provide small grants to organizations which promote the vision of the foundation: advocating for environmental health and justice, encouraging stewardship of the environment, and furthering respect for sustainability of resources. **Deadline: Rolling.**

[Saving Species](#)- We help local conservation groups purchase land for conservation and habitat restoration, and may consider projects for restoration of habitat on land that is within an existing protected area. We maximize our effectiveness by providing grants for the purchase and restoration of land that connects existing habitat fragments, or that prevents isolation of habitat that would otherwise continue due to habitat loss. **Deadline: Rolling.**

[Cedar Tree Foundation](#)- Letters of Inquiry Accepted at Any Time. Areas: Environmental Education, Environmental Health, Sustainable Agriculture.

[VolunTEEN Nation International Service Project Grants](#)- Students (ages 13-22) from the US going abroad to volunteer or study in a developing country are encouraged to apply for an international service-learning mini-grant. Grants are for up to \$300 to create a service project in a developing country while you are visiting that country. **Deadline: Rolling.**

[KEEN Effect](#) is committed to inspiring responsible outdoor participation to help preserve the places we all play. Through the KEEN Effect, \$10,000 grants are awarded to nonprofit organizations around the world who are dedicated to responsible outdoor participation. Projects must increase responsible outdoor participation as a way to work towards building a strong community. **Deadline: Ongoing.**

[Everyday Young Hero Award](#)-Everyday Young Heroes are young people, ages 5-25, who are improving their communities through service to others and making significant progress in achieving the UN's Sustainable Development Goals (SDGs). Each week, YSA selects one young person to receive this honor and receive \$250 grants to continue and expand their project. **Deadline: Rolling**

[The Fruit Tree Planting Foundation](#) is dedicated to planting fruitful trees and plants to alleviate world hunger, combat global warming, strengthen communities, and improve the surrounding air, soil, and water. FTFPF programs strategically donate orchards where the harvest will best serve communities for generations. **Deadline: Rolling.**

[Doris Duke Environment Program Grants](#)-For Nonprofits registered and working in the US. Permanent land protection (i.e., the acquisition of conservation easements or fee title interests to secure high-priority sites), management of lands already in protected status, and more. **Deadline: Rolling.**

[WalMart Community and Education Grants](#) . Rolling Deadline, but minimum 6 month lead time advised. 501 (c) (3) organizations, schools, religious organizations and government agencies for requests over \$250. For requests under \$250, get a local donation form from your nearest Walmart at the customer service desk.

[Environmental Research and Education Foundation](#). Open. All educational materials for sustainable solid waste management, including conferences or events, which advance the foundation's educational mission. Grants are typically not provided to support the development of educational projects.

[Toshiba America Foundation](#). Rolling deadline. Grades 6-12 Teachers. Under \$5,000. Inquiry based projects designed by teachers and teacher teams for use in the classroom. Deadline for grants over \$5,000 is August 1.

[KaBOOM! Let's Play Engineered Wood Fiber Surfacing Grants and Let's Play Maintenance Grants](#)- awards grants of \$750 each to communities who wish to top-off their Engineered Wood Fiber safety surfacing or who are working to make their existing playgrounds cleaner, safer and more inviting. Rolling deadlines.

[J-Serve Start-Up Grants](#)-J-Serve is the International Day of Jewish Youth Service. Grants are available for \$500 micro grant to communities that plan and execute projects that bring a minimum of 10 and maximum of 74 Jewish teens together in partnership with a least two movements or agencies in the community. Rolling deadline.

[Niagara Falls National Heritage Area](#) supports important projects and programs throughout the National Heritage Area with the long-term goal of realizing community betterment. Grants are targeted to fund projects or programs that directly relate to the [Niagara Falls National Heritage Area Management Plan](#).

[World We Want Foundation](#) is accepting applications from organizations that represent youth making positive social change in their communities and around the world. Grants of up to \$5,000 will be awarded to youth between the ages of 13 and 25 who want to make a difference. Application deadline: Rolling.

[The Coca-Cola Foundation](#) partners with nonprofits that address priorities focusing on one of the following: Water Stewardship, Healthy and Active Lifestyles, Community Recycling and Education. Rolling deadlines.

[Kresge Foundation's Healthy Environments grant program](#) seeks to improve the health and well-being of vulnerable populations by making the places they live, learn, work and play safe and conducive to overall good health. Applications are currently being accepted for the Healthy Homes Initiatives, Transportation and the Built Environment Initiative and the Healthy Food Initiative. Application deadline: Rolling.

[Cisco Global Impact Cash Grants](#) support nonprofit organizations in the U.S. and worldwide that provide assistance to underserved populations and leverage technology solutions to improve the reach, efficiency, and impact of services. Take the [Eligibility Quiz](#) to see if you can apply.

[Technical Assistance Grant Information](#)-The New York State Department of Environmental Conservation (DEC) is continuously accepting applications for Technical Assistance Grants (TAGs). TAGs are a citizen participation tool available to eligible community groups to increase public awareness and understanding of remedial activities taking place in their community. Eligible community groups may apply to receive grants for up to \$50,000 per site.

[Home Depot Community Impact Grants](#)-Grants, up to \$5,000, are available to non-profit organizations and tax-exempt public service agencies in the U.S. that are using the power of volunteers to improve the physical health of their community. Grants are given in the form of The Home Depot gift cards for the purchase of tools, materials, or services.

[The Pollination Project](#) seeks to unleash goodness and expand compassion all over the world. We make daily seed grants to inspiring social change-makers who are committed to a world that works for all. We support passionate, committed people with an early-stage social change vision. We fund individuals and community groups, and you do not need to be a registered or established organization to apply.

[Shell Foundation Grant](#)—Programs that restore critical ecosystems, address water, air quality research, preserve wetlands and sponsor wetlands initiatives. Deadline: **Rolling**.

[Fluor Foundation Grants](#)—Nonprofits and academic institutions. Projects promoting responsible stewardship of the environment and supports organizations that protect natural resources and habits through conservation, restoration and beautification, and environmental education. Deadline: **Rolling**.

[Disney Conservation Fund: Rapid Response Grants](#)—Nonprofits and academic institutions located in the US. Projects which help animals during emergencies and natural disasters through its Rapid Response Fund. Deadline: **Rolling**.

[Patagonia Environmental Grants](#)- We are most interested in making grants to organizations that identify and work on the root causes of problems and that approach issues with a commitment to long-term change. Because we believe that the most direct path to real change is through building grassroots momentum, our funding focuses on organizations that create a strong base of citizen support. Deadlines: **April 30 and August 31**.

Employment and Internship Opportunities

[Land Protection Director](#)-The Western New York Land Conservancy is seeking a full-time Land Protection Director that will identify and lead all new land conservation projects. Qualified candidates will have a deep passion for conservation, ability to manage complex projects and coordinate with numerous partners. The position is available 10/4/17 and is open until filled.

[Media Design Coordinator](#)- Support Buffalo Niagara Waterkeeper's mission to protect and restore our water and surrounding ecosystems, while connecting people to water, inspiring economic growth and fostering community engagement. Responsibilities of this position include managing content for social media, website, and print and press communications. Deadline: **December 3, 2017**.

[Organizer for Grassroots Development](#)- The Clean Air Coalition builds power by developing grassroots leaders who organize their communities to run and win environmental justice and public health campaigns in Western New York. The Organizer for Grassroots Development is responsible for working with Clean Air's base and constituency to expand our grassroots fundraising program, build and sustaining relationships with members, leading teams dedicated to resourcing organizing campaigns, and maintaining day-to-day operations of the office.

[Summer Day Camp Director](#)-Friends of Reinstein Woods is seeking a Summer Day Camp Director who will be responsible for overseeing and administrating Kids in the Woods Summer Day Camp at Reinstein Woods Nature Preserve, and two days of "Nature Expeditions Camp" in cooperation with our partners at Penn Dixie Fossil Park and NYS Parks. This is a seasonal position. The Director will be expected to work full-time from June 25- August 31, 2018 as well as some flexible hours in Winter/Spring 2018 to prepare for the camp season. Free housing is available. Deadline: **December 8**.

[Landscape Design Planner](#) will help support Buffalo Niagara Waterkeeper's mission and goals by working as part of a team under direct supervision to undertake all aspects of site planning, development, design, and implementation of public access, natural resource, upland and aquatic restoration projects. Responsibilities of this position include conducting site analysis, developing conceptual through final technical design plans, participation in construction oversight activities, and production of proposals, reports, and presentation materials. Deadline: **December 10, 2017**.

[Buffalo Audubon Executive Director](#)-Primary responsibilities include implementation of the strategic plan, staff development and supervision, financial management, fundraising, public relationship, program development, site management and evaluation. Review begins on **December 15, 2017**.

[Aquarium of Niagara Internships](#)-Opportunities for high school or college students to work with marine mammals, fish, penguins and turtles. Certain requirements must be met.

[Clean Air Coalition Internships](#)-The Clean Air Coalition is a grassroots environmental health and justice organization based in Buffalo, New York. It works to build power by developing grassroots leaders who run and win campaigns that advance environmental justice and public health in the region. All internships include some operations and administrative work. The Clean Air Coalition's internships are ideal for highly motivated individuals looking to deepen and practice their skills engaging community leaders in solving environmental health and justice organizations.

[Service Collaborative of Western New York Vista Positions/Americorps](#)-Opportunities for paid community involvement. Check out the available opportunities and eligibility. Some positions are summer only, so apply now.

Citizen Science

[Hemlock Woolly Adelgid Project](#)-Take closeup pictures of hemlock trees and fraser firs and send to scientists with GPS location data to monitor tree health and spread of the insect.

The Great Lakes Marsh Monitoring Program- is designed to collect information about the presence and abundance of bird and amphibian species in Great Lakes coastal and inland marshes, to contribute to our understanding of these species and their habitat needs. For information on assisting with local efforts, please contact: David Spiering, Regional Volunteer Coordinator Ecologist at Tiff Nature Preserve (716) 896-5200 ext. 202 dspiering@sciencebuff.org.

Ticks and Project Acari- a new citizen science project tracking tick disease. We are studying the ticks themselves, as well as how other factors, like climate change and the tick's microbiome, may affect the risk of tick diseases. Ticks carry over 20 different known diseases that affect hundreds of thousands of humans and our pets, and there may be more we haven't discovered yet. As global temperatures rise, these diseases are spreading. You can help! Send us the ticks you find in your neighborhood. By testing the DNA of ticks from across the United States, we can build the most complete map yet of how these diseases are affecting ourselves and our pets. To find out more, and to get a free, easy-to-use kit, please visit www.projectacari.org.

Upcoming Community Activities:

Friday, December 1

Hackathon-4pm through Saturday. Think like an *innovator!* Get a taste of what it's like to pitch ideas and develop strategic and technological innovations within the context of a large organization. Join us for the Univera Helathcare Innovation Sprint as we work to solve a challenge the company faces. Univera Healthcare team members have identified the issue—now it will be your job to help come up with solutions. Think of an Innovation Sprint like a Hack-A-Thon or Case Competition, where you'll work to develop and design a solution to the problem over the course of 24-hours. No worries, no need for a sleeping bag or a pillow, just plan to stay-late and return early! Why participate? Make connections, grow your network, and earn a chance to get an internship or full-time job. University at Buffalo, 210 Student Union, Buffalo, NY 14260. Register at [event](#).

Toolfest-5:30 to 8pm at The Foundry. \$10 or tool donation. 298 Northampton St., Buffalo. RSVP at thefoundrybuffalo.org/toolfest. ToolFest is an opportunity to celebrate our accomplishments, acknowledge all the amazing volunteers we've had over the year, and to raise funds to purchase cool new tools!

Climate Justice Workshop-10 am-noon. Please join Sam Magavern of the Partnership for the Public Good and a team of seven University at Buffalo Law School students for a workshop on climate justice. 617 Main St. (Market Arcade - [Map](#)) in the First Floor Community Rooms. Free and open to the public. To reserve a seat, please email colleen@ppgbuffalo.org.

Saturday, December 2

Crafting Herbal Remedies-10:00am-12:30pm at Buffalo Ski Club. Sharing the basics of creating herbal home remedies for Winter-related ailments. Participants will be provided with samples of our herbal concoctions. \$10 Members (ES and Buffalo Ski Club), \$15 Non-Members. www.earthspiritedu.org

Jingle Falls: Holiday Kid Crafts-10am to 2pm at [Niagara Falls Conference Center](#). Stop by the holiday marketplace at the Conference Center and join us for festive fun and kid friendly crafts. **No registration required.**

Breakfast with Santa – 9am to noon. Come enjoy a delicious homemade breakfast with Santa and his elf at Beaver Meadow Audubon Center. Activities include crafts, face painting, live animals and storytelling. The cost of the event is \$7 adults / \$5 children ages 4-12 / 3 and under are free.

Decorative Birch Bark Ornaments – 1:30 to 3:30pm. Join Buffalo Audubon Director of Education, Lauren Makeyenko at Beaver Meadow and make a birch bark canoe, star, and owl ornaments. This program will include simple sewing techniques. Pre-registration is required. Please call 585-457-3228 to register. Ages 12+. \$10.

Get Handy DIY Homeowner Workshop-10am. If you're looking to cut down on contractor bills and make some of those round-the-house repairs yourself, this workshop is for you. Featuring a wide range of post-purchase topics, you'll gain the know-how and confidence to keep your house a happy and healthy home. 1239 Niagara St. Registration required due to limited space, but free event. [Get Handy! Free DIY Homeownership Workshop](#)

Woods Walk: Nature Guide's Choice-11am. Join a guided nature walk through the woods. No registration required. Reinstein Woods Nature Preserve.

Friends of Reinstein Woods Holiday Party-1 to 4pm. Friends of Reinstein Woods members will celebrate the beauty of winter at their annual holiday gathering. There will be a live animal presentation by Hawk Creek, holiday themed crafts for kids, and a visit from Santa! New members are welcome. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Rainforest Day at the Buffalo Zoo-Learn about the wonders of the rainforest at M&T Bank Rainforest Falls from 11:00 a.m to 3:00 p.m. This event will feature keeper talks, animal enrichment, and various rainforest themed crafts. Included with zoo admission.

Holiday Open House at The Roger Tory Peterson Institute-10am to 4pm. This event is part of Swedish Christmas Market Day in Jamestown - Julmarknad, organized by the Scandinavian Studies Program at Jamestown Community College. Free admission. 311 Curtis Street, Jamestown, NY 14701.

Sunday, December 3

Family Hike: Ellicott Creek Park-Summer is over and some of the most shared family scenic adventures is by hiking. This adventure is geared for the young at heart. Parents are welcome to join us too! Morning hike from 9:00 am until approximately 11:00 am. This is the wonderful time of year when the Autumn leaves change and present to us bouquets of colors all along paths. As we get into the fall enjoy walking the paths and crunching on the crisp leaves. As we near winter enjoy walking the paths with new fresh snow falling. Dress for the weather! Your adventure is presented by the Paths, Peak & Paddles Guides and Instructors. [info](#)

Go Bike Class: Drivetrains- All classes are held at the GObike Community Workshop (98 Colvin Ave) on Sundays from 6pm-8pm. Pay what you can. Our suggested donation is \$10 and most classes are limited to 10 people. Please RSVP to stacy@gobikebuffalo.org at least TWO days prior to class if you plan to attend.

Field Trip: Niagara River Gulls and Waterfowl-Buffalo Ornithological Society trip with Rochester Birding Association to look for gulls and waterfowl. The later date this year should increase our likelihood of seeing white-winged gulls as they have been arriving later in the fall. A spotting scope is helpful for viewing across long distances. Meet at 9:00 AM in the parking lot just outside the old fort at Fort Niagara State Park. Because this trip will head across the border into Canada, make sure you have a passport, passport card, Nexus, or enhanced drivers license. Dress warmly! Leaders: RBA: Bob Spahn (585-671-5690) or RSPAHN@Prodigy.net and BOS: Tom O'Donnell (716-284-5569) or tmodonnell@roadrunner.com

Monday, December 4

Investigative Post Panel- 7pm. Journalists discuss how government is throwing roadblocks in the way of reporters trying to inform the public. Panelists include Jerry Zremski, Washington bureau chief of The Buffalo News; Jimmy Vielkind, Albany bureau chief of Politico New York; and Steve Brown, investigative reporter with WGRZ. The event is at Big Ditch Brewing Co., [55 East Huron St.](#), in downtown Buffalo. It's free to Investigative Post members (those who have donated at least \$100 in the past year) and \$10 for everyone else. Admission includes one free beer or glass of wine. [Order your tickets here.](#)

Tuesday, December 5

Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit <http://buffaloah.com/h/center/lib/17lec.html>

Little Tykes Nature Camp-9:30 to 11:30am. Enjoy a morning of fun and exploration at Tift Nature Preserve! Nature story-time, crafts, outdoor investigation and more help to foster the nature explorer in your child. Healthy, kid-friendly snacks provided too! Pre-registration required for ages 3-5. **Cost:** \$7 per participant. [Register](#)

Press Conference to demand fair transportation access for students- Join parents, caregivers, students, educators, and community members to call for policies centered on learning & enrichment, not policing; increased access to times and routes; and restorative justice training for NFTA Police. 4:30 at NFTA Greyhound Bus Station, 181 Ellicott St., Buffalo.

Soil Properties and Soil Health-6 to 8pm at Frank W. Bratt Agricultural Center, 3542 Turner Rd., Jamestown. In this workshop, participants will have the opportunity to learn how to inventory the soils on their property, use a soil survey to determine the suitability of their soils for various cropping programs, and how to use crop rotations, cover crops, and the application of organic materials to build a healthy soil. Participants will receive a copy of the Chautauqua County Soil Survey. Leading this workshop will be Robert (Rob) Halbohm, who is currently the Water Quality Technician with the Chautauqua County Soil & Water Conservation District. Cost to attend is \$5/family, payable by cash or check that evening. This L.E.A.F. Workshop Series is open to the general public, including homesteaders, beginning farmers, established farmers looking to diversify and grow, agriculture enthusiasts, and everyone in between! This workshop will be 2 hours long and light refreshments will be offered. The L.E.A.F. workshops are designed to be interactive, so participants are encouraged to bring their questions and ideas to this collaborative environment! Pre-registration is required prior to the workshop to allow for adequate time to prepare printed resources and materials. Interested participants can register online [here](#), or register by emailing kaw249@cornell.edu or by calling (716) 664-9502 ext. 202.

Wednesday, December 6

Teachers in Nature: Professional Development Series-4 to 7pm. “Classroom Citizen Science”. Sign up for one or more workshops to learn how to connect your students to nature! CTLE credit hours may be available for select programs. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, Depew.

GBNRTC Monthly Meeting-Public welcome. 9:30 to 11am at NYSDOT Region 5 Offices ([map](#)) 100 Seneca St., Buffalo 14203. All are invited to attend Planning and Coordinating Committee (PCC) Meetings to discuss transportation events, planning initiatives, and projects with [GBNRTC Member Agencies](#).

Buffalo Olmsted Parks Conservancy Community Meeting- 6:00 p.m. – 7:30 p.m. at Cazenovia Park Casino, Warren Spahn Way, Buffalo, NY 14220 focused on the Cazenovia Park-South Park system to (1) provide a venue for discussion of upcoming projects, (2) enhance ongoing communication between the BOPC and community on issues and concerns within the Cazenovia Park-South Park System and (3) collectively plan for the future restoration and revitalization of our beloved Olmsted-designed park system. For inquiries, please contact Andrew Lloyd, Community Outreach Manager at Andrew@bfloparks.org or call (716) 243-1750.

Buffalo Talks- noon to 1 pm to learn about new initiatives at the Buffalo and Erie County Public Library, including plans for Buffalo’s first Reading Park. Guest Speaker: Mary Jean Jakubowski, Library Director, Location: Library Ring of Knowledge at Central Library. Free and open to the public.

Thursday, December 7

After-School Escape-4:30 to 5:30pm. Together, kids and their parents or caregivers can enjoy a different, fun, hour-long outdoor activity each week. For children in grades K through 5. No registration required. Reinstein Woods Nature Preserve, Depew.

Birding Unity Island Riverwalk – 10am to noon. Spend a weekday morning birding along the Niagara River with Buffalo Audubon Naturalist Tom Kerr. We’ll be looking for the Gulls and Ducks that are passing through the Niagara River Important Bird Area. Pre-registration is required. Please call 585-457-3228 to register. Binoculars are available. Meet at Broderick Park Lot. Donations gratefully accepted.

Boy Scout Sustainability Merit Badge – 10am to 3pm. This badge is required for Eagle Scout. Water, food, community, energy, and your precious stuff are all elements of your life that relate to sustainability. We will explore the ways you & your family can creatively help make our world more sustainable. Prerequisites for you to do ahead of time include #2 Water A & B, #2 Food A & B, #2 Community A & B, #2 Energy A & C, #2 Stuff A & B & #5 A & B. Be sure to read your entire official booklet before the workshop. Pre-registration is required. Please call 585-457-3228 to register. \$12.

Wellness Walk at Tiff Nature Preserve- 10:00am - 12:00pm. Enjoy the fresh air and the sights and sounds of the season with a healthy, guided outdoor walk on our trails! Please call 716.825.6397 to confirm walk will be taking place. \$2 donation per person appreciated.

WNY STEM Student Showcase and Annual Meeting-5:30-7:30pm at SUNY Buffalo State College, Ketchum Hall, 1300 Elmwood. <https://wnystem.org/event/wny-stem-student-showcase-annual-meeting/>

Behind-the-Scenes Collections Tour (adults only): Mastodons in Our Backyard-2 to 4 pm at Buffalo Museum of Science. Did you know the Museum houses over 700,000 specimens in our collection, or that a significant part of the collection pertains to the Greater Niagara Region? Get behind-the-scenes to see what few have seen and explore our research, special, and teaching collections in themed tours taking place throughout the month. *Tours are approximately 2 hours in length.* Learn more about the Museum's Mastodons excavated from the local Genesee County dig site and take a look at the specimens that teach us about life on the Niagara Frontier over 10,000 years ago. Adults 18+, \$25 non-members (includes Museum admission) / \$15 BMS members. **Registration deadline:** one week in advance [register](#)

Friday, December 8

Medicinal Herb Walk-11am. Discover the medicinal values of the wild herbs that grow in Reinstein Woods. For adults and children ages 12 and older. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

WNY Healthy Communities Coalition Meeting-9am to noon at Erie 1 BOCES, Building B, Room B1, West Seneca, 14224. RSVP at [here](#)

Saturday, December 9

Jingle Falls: Winter Bird Walk-10am to 1pm at [Niagara Falls State Park](#). Come join the fun with a chance to be introduced to some of the birds that call Niagara Falls State Park their home during the coldest months. **Call (716) 282-5154 to register for program.**

Beginner Birding: Gulls and Waterfowl – 9 to 11am. Join Buffalo Audubon Naturalist Tom Kerr for a Beginner Birding walk on Buffalo's Unity Island. Ducks and Gulls are arriving by the hundreds in the Niagara River, and can be easy for beginner birders to start with. We'll go over identification tips, how to use a field guide, and how to use binoculars. Binoculars are available. Pre-registration is required. Please call 585-457-3228 to register. Meet at North parking lot. Donations gratefully accepted.

Forest Bathing-10am. Ease into the holiday season with this program based on the Japanese practice of shinrin-yoku. The walk will focus on the sights, sounds and smells of the forest to induce relaxation. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Boy Scout Sustainability Merit Badge- 10 a.m. to 3 p.m. at Beaver Meadow Audubon Center, 1610 Welch Rd., Java Center. This badge is required for Eagle Scout. The class will explore the ways scouts and their family can creatively help make our world more sustainable. Pre-registration is required, please call 585-457-3228 to register. The cost to participate is \$12.

"Climate Smart Gardening"-Frank Bratt Agricultural Center, 3542 Turner Rd., Jamestown from 10 a.m. to noon. Saturday, Dec. 9 at the Bratt Agricultural Center. Workshop will focus on how climate change affects our gardening practices. The material for "Climate Smart Gardening" is based on curriculum designed by Cornell Cooperative Extension of Monroe County in partnership with the Cornell Garden-Based Learning program. The L.E.A.F. workshops are designed to be interactive, so participants are encouraged to bring their questions and ideas. The workshop will be led by Katelyn Walley-Stoll, Farm Business Management Educator with Cornell Cooperative Extension of Chautauqua County. The cost to attend is \$5 per family, payable by cash or check. Pre-registration is required prior to the workshop to allow for adequate time to prepare printed resources and materials. You can register online, email kaw249@cornell.edu , or call 716-664-9502, ext. 202.

Monday, December 11

Niagara Group Climate & Energy meeting- 6:30pm at our new meeting location, the [Tri-Main Building, 2495 Main Street](#). There is ample parking in the evening, with security guards, across from the main entrance on Halbert St. From the second floor (main floor) entrance, turn RIGHT at the security desk, walk toward the ATM, and turn right again at the "Stairs" sign. Before the stairs, you will find our meeting place at the "Conference Room 2" sign on the wall. Please note that this is a different room from where we have met in the past.

Erie Canal Harbor Development Corporation Board Meeting- All meetings begin at 10:30 a.m. on the second Monday of each month, except as indicated below. The meetings are held in the Board Room of ESD's Buffalo Regional Office, 95 Perry Street - Suite 500, Buffalo, NY 14203.

Tuesday, December 12

Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit <http://buffaloah.com/h/center/lib/17lec.html>

Sci-Night Series: Winter Backyard Birds-6:30 to 8pm at Tifft Nature Preserve. Join us on the 2nd Tuesday of the month for our new science discovery series for adults. Meet local nature-enthusiasts, share your interests and learn something new. *Light refreshments included.* Get to know your winter birds in your backyard by learning beginner tips for attracting, photographing and identifying WNY's feathered residents. Examine real mounted species, learn their calls and gain experience using field guides and binoculars. **Cost:** \$12 per participant. **BMS Members save 10%, Ages:** 18+. [register](#)

"The First Flower"-Niagara Frontier Botanical Society meeting at 7:30 p.m. in the Harlem Road Community Center, 4225 Harlem Rd., Amherst. We will view this acclaimed NOVA video which follows scientists as they attempt to find the oldest flowering plant in the fossil record. Following, please join us for holiday treats, bring something edible to share if you can. General meetings are held at 7:30 p.m. on the second Tuesday of each month, September through May, at the Harlem Road Community Center, 4225 Harlem Road, one block south of Main Street in Snyder (except April meeting). All General Meetings are open to the public and free of charge.

Wednesday, December 13

Teachers in Nature: Professional Development Series-4 to 7pm. "Growing Up WILD". Sign up for one or more workshops to learn how to connect your students to nature! CTLE credit hours may be available for select programs. Registration required; call 716-683-5959 to sign up. Reinstein Woods Nature Preserve, Depew.

Buffalo Audubon Director's Walk – 1 to 2:30pm. Come explore the trails at Beaver Meadow with Buffalo Audubon Executive Director Loren Smith.

Tax Credit Drop-In Workshop - 6–8 pm at Preservation Buffalo Niagara offices, Suite 201, 607 Main St., Buffalo. Call the office at (716) 852-3300 for more information. This Drop-In Workshop is FREE for PBN members and \$10 for non members- no pre-registration is required.

Buffalo Ornithological Society Annual Holiday Meeting- in the Cummings Room of the Buffalo Museum of Science at 7:00 PM. Presentation by Wendy Paterson: Buffalo Niagara WATERKEEPER is a community-based nonprofit organization dedicated to protecting the quality and quantity of water, while connecting people to water. We do this by cleaning up pollution from our waterways, restoring fish and wildlife habitat, and enhancing public access through greenways that expand parks and open space. We will be holding our Annual Holiday Celebration so please bring a treat to share and enjoy an evening of birding friendship. We will also elect officers for the year 2018.

Behind-the-Scenes Collections Tour (adults only): Pan-American Exposition: 2 to 4pm at Buffalo Museum of Science. The Museum played a significant role in the Pan-American Exposition. See the artifacts that thrilled visitors over a century ago. **Cost:** \$25 non-members (includes Museum admission) / \$15 BMS members.

Registration deadline: one week in advance. [register](#)

Thursday, December 14

Weekday Winter Birding Hike – 9 to 11am. Join Buffalo Audubon Naturalist Tom Kerr for a winter birding walk at Joseph Davis State Park. We'll be searching for the many birds that are tough enough to handle the cold winter months. Binoculars are available. Pre-registration is required. Please call 585-457-3228 to register. Donations gratefully accepted.

After-School Escape-4:30 to 5:30pm. Together, kids and their parents or caregivers can enjoy a different, fun, hour-long outdoor activity each week. For children in grades K through 5. No registration required. Reinstein Woods Nature Preserve, Depew.

Wellness Walk at Tiff Nature Preserve- 10:00am - 12:00pm. Enjoy the fresh air and the sights and sounds of the season with a healthy, guided outdoor walk on our trails! Please call 716.825.6397 to confirm walk will be taking place. *\$2 donation per person appreciated.*

Climate and Clean Energy Writer's Group-6:00 to 7:30pm at the Crane Branch Library, [633 Elmwood](#) at Highland Ave., 2nd Floor. This month's topic is on [Sustainable Investing](#). Think about it... Are the savings you've invested (401k, IRA, etc.) supporting things you believe in or things you dread? Come hear experts with vision explore how we can invest in a sustainable future. For 2018, you can make a plan to do well by doing good! Speakers include JD Hartman, Sister Jean Sliwinski, and John Stith. Invite your financial planner to attend! Open to all.

How to Write Effective Site-Based Invasive Species Management Plans- 9AM – 3:30PM at Reinstein Woods Nature Preserve. Join WNY PRISM for an Invasive Species Management Planning Workshop, designed to assist managers and planners by providing tools for the development of effective site-based management plans. Participants will learn about setting goals and objectives while working through components of a management plan. Participants will also learn how to prioritize invasive species management actions, identify appropriate management methods and strategies, and how to incorporate invasive species management plans into larger habitat management and restoration plans. There is no fee for this workshop, but registration is required. **Deadline to register is Monday, December 4, 2017.** Space is limited. Participants should be prepared to discuss a site for which they are writing, or would like to write, a management plan. For more information and to register, contact Andrea Locke, WNY PRISM Coordinator at lockeas@buffalostate.edu.

Don't Spoil the Fun: Food Preservation Panel- 7 to 9pm. Join 'Science After Hours' at the Buffalo Science Museum as we talk about food preservation from the Pan-American Exposition to present day. Hear about different methods, including traditional pickling and salting, to artificial preservatives and early concerns about food additives. Complimentary preserved food samples, cash bar. Adults 21+, **Cost:** \$25 per participant; \$22.50 for BMS members. [register](#)

High Tunnel Winter Greens Productions Class-3 to 4:30pm at *Ag & Business Center*, [36 Center Street, Warsaw, NY 14569](#). Come learn the basics of how high tunnels work to help grow crops throughout the year. We will focus on crops grown in the tunnels during the colder months. Whether you want to get an early start in the spring, grow later into the fall, or even keep cold hardy plants alive throughout the winter, this session will have information you need. We will meet inside the building and then take a short walk out to the on-site high tunnel. The session will be primarily outdoors in the high tunnel, so please dress for the weather. If you arrive late and would like to catch up with the group, the high tunnel is south of the building perpendicular to the large white barn. **Cost \$5.00 if enrolled in Wyoming County Cornell Cooperative Extension or \$10.00 if you are not.** Please Contact Don Gasiewicz [585-786-2251 ext. 113](tel:585-786-2251) or drg35@cornell.edu for more information. Contact Lisa Aures [585-786-2251](tel:585-786-2251) or lma96@cornell.edu to register.

Friday, December 15

Hike Down Hunters Creek Gorge– 9:30 to 11:30am. Come hike with Buffalo Audubon Naturalist Mark Carra down into the beautiful gorge in Hunters Creek County Park. We'll seek the secrets of the place and marvel at the wonders that nature has bestowed on the place. Come dressed for the possibility of sloshing through some wet places there. Pre-registration is required. Please call 585- 457-3228 to register. Ages 13+. Donations gratefully accepted.

“Planting and Treating After Emerald Ash Borer” Tree Care Workshop-8AM – 12PM at Parkside Lodge, [84 Parkside Ave, Buffalo, NY 14214](#). This half day workshop will feature indoor learning sessions for care and replacement of trees to help communities and tree owners recover from an emerald ash borer infestation. Registration is due to the DEC Albany office by December 7, 2017. Please register [here](#).

Saturday, December 16

Buckhorn Island Bird Bonanza!-10am to noon at Buckhorn Island State Park. Explore Buckhorn Island's diverse habitats as we search for waterfowl along the Niagara River. *Call (716) 549-1050 to register for program.*

Jingle Falls: Light Up the Holidays Hike-10am to 1pm at Niagara Falls State Park. The city of Niagara Falls is celebrating the holidays! We are joining the fun with a hike that will charge you up as we explore the history of power and the works of the amazing Nikola Tesla, who harnessed alternating current right here at Niagara Falls.

Owl Pellet Autopsy – 10 to 11:30am. Search for owl pellets cast by wild owls at Beaver Meadow on a short walk, then dig in and discover what and how owls eat, by dissecting a sanitized owl pellet. This hands-on activity is a favorite for all ages. Pre-registration is required. Please call 585-457-3228 to register. \$7.

Make Creature Christmas Ornaments – 2 to 3:30pm. We'll make some holiday ornaments of various creatures from nature using tongue depressors, popsicle sticks, felt and fun foam cutouts. Spruce up your decorations for the upcoming season. Pre-registration is required. Please call 585-457-3228 to register. \$10. Beaver Meadow Audubon Center.

Erie County Park Walk-10am. Join Erie County Park Ranger Roy as we walk in the woods and go over the basics of tree identification in the winter. Just how do you identify a tree with no leaves to help? Please dress for the weather and wear sturdy boots. We will be hiking regardless of the weather. Meet in the Ski Lodge parking lot, Chestnut Ridge at 10 am.

Stories in the Woods-10am. Enjoy hearing a nature story, followed by a guided walk in the woods. For children ages 3 to 7. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Woods Walk: Nature Guide's Choice-11am. Join a guided nature walk through the woods. No registration required. Reinstein Woods Nature Preserve.

Snow Rolls- Go Bike Buffalo event. We ride year round, whether snow or rain or shine on shorter, heartwarming routes. It's a bit colder, but no less fun as long as you layer up! Essex Street Pub. Meet at noon, ride at 1230pm.

Christmas Bird Count: Wilson-Lake Plains-Contact Garner Light (garnerlight@hotmail.com) if you are able to participate. We are always looking for new people, so please invite them to help out if you know someone who would like to participate!

Emerging Leaders Fundraising Extravaganza-7–11 pm. This event will feature social justice-related performances, along with food, a cash bar, music, raffles, and more. It is a fundraiser for the Open Buffalo Emerging Leaders program. The Emerging Leaders program is a leadership development school that aims to build a stronger Buffalo by preparing new leaders in our city. The 2017 Emerging Leaders class graduates on the afternoon of this event. Proceeds from the event support the 2018 class. Childcare will be provided on site for children ages two through 12 (\$3 per child; pay online through Eventbrite). We can accommodate only the first 30 children for whom childcare tickets are purchased. Buffalo Arts Studio, Tri-Main Center, 2495 Main Street, Suite 500, Buffalo, NY 14214. [Reserve your tickets here!](#)

Hot Chocolate Hike-6 to 7:30pm. Explore the beautiful Tiff Nature Preserve during a wintry nighttime walk, then warm-up with a delicious cup of hot chocolate! \$7. If there's enough snow, you can rent snowshoes for an additional \$2 per person! Pre-registration is required. Call 716-825-6397. Ages 5+.

Sunday, December 17

Go Bike Class: Maintaining your Bike through Fall and Winter- All classes are held at the GObike Community Workshop (98 Colvin Ave) on Sundays from 6pm-8pm. Pay what you can. Our suggested donation is \$10 and most classes are limited to 10 people. Please RSVP to stacy@gobikebuffalo.org at least TWO days prior to class if you plan to attend.

Knox Farm Christmas Bird Count-11am to 1:30pm at Knox Farm State Park. Audubon's Christmas bird count is the nation's longest-running citizen science bird project. Join us for our annual Knox Farm Christmas bird count! We will be birding as a group and both veteran and beginner birders are invited to join. *Call (716) 549-1050 to register for program.*

Family Hike: Chestnut Ridge Park-Summer is over and some of the most shared family scenic adventures is by hiking. This adventure is geared for the young at heart. Parents are welcome to join us too! Come out and join us for a morning hike from 9:00 am until approximately 11:00 am. This is the wonderful time of year when the Autumn leaves change and present to us bouquets of colors all along paths. As we get into the fall enjoy walking the paths and crunching on the crisp leaves. As we near winter enjoy walking the paths with new fresh snow falling. Dress for the weather! Your adventure is presented by the Paths, Peak & Paddles Guides and Instructors. http://www.pathspeakspaddles.com/calendar/view_entry.php?id=1101&date=20171008

Winter Wonder Photography Walk-11:30 to 12:45pm at Niagara Falls State Park. Winter at Niagara Falls can provide some breathtaking photo opportunities. Join a park naturalist for a winter photography walk. Remember to bring your camera or phone. *Call (716) 282-5154 to register for program.*

Christmas Bird Count-Please join us for the annual Buffalo Ornithological Society's Christmas Bird Count. Please join in the fun, the more the merrier! Contact David Gordon for an assignment. Compiler: David Gordon (dgordonphoto@yahoo.com or 716-390-1429).

Tuesday, December 19

Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable's Café). Free and open to the public. For speaker and topic, visit <http://buffaloah.com/h/center/lib/17lec.html>

Behind-the-Scenes Collections Tour (Adults Only): Fins, Furs & Feathers-10am to noon. Explore the Buffalo Museum of Science's vertebrate zoology collection featuring mounts, skins, bones and jars. Adults 18+, \$25 non-members, \$15 BMS members. **Registration deadline:** one week in advance. [register](#)

Wednesday, December 20

WNY Soil Health Alliance Meeting and Workshop-8:30am to 3:30pm at Batavia Quality Inn, 8250 Park Rd., Batavia. The workshop will include keynote speaker Karl Czymmek from Cornell talking about Resilient soils and how to build and retain organic matter and Steve Groff from Cover Crop Coaching and inventor of the tillage radish talking about using cover crops to manage herbicide resistant weeds. Following the speakers will be the WNY Soil Health Alliance Annual Meeting. Lunch will be provided in the afternoon as well as breakout sessions. The breakout sessions include an inter-seeding farmer panel (including results from Summer Trials at Toussaint Farms) with Steve Groff and A phosphorous study with Karl Czymmek. [WNY Soil Health Alliance Registration Form](#)

Thursday, December 21

Winter Solstice Woven Willow Wreaths – 6:30 to 8:30pm. Willow weaving can be fun and therapeutic! Join Buffalo Audubon Director of Education Lauren Makeyenko for this creative program at Beaver Meadow. Participants will create a one of a kind wreath suitable for hanging indoors or outdoors. Pre-registration is required. Please call 585-457-3228 to register. Space is limited. Adult Program. \$15 includes all materials.

After-School Escape-4:30 to 5:30pm. Together, kids and their parents or caregivers can enjoy a different, fun, hour-long outdoor activity each week. For children in grades K through 5. No registration required. Reinstein Woods Nature Preserve, Depew.

Winter Solstice Celebration-6pm. Enjoy a lantern-led evening walk as we celebrate the longest night and the return of light. Discover solstice traditions from around the world, search for nocturnal animals, and end the evening with warm drinks and snacks. Material fee \$5.00/person, children ages 5 and under free. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Wellness Walk at Tiff Nature Preserve- 10:00am - 12:00pm. Enjoy the fresh air and the sights and sounds of the season with a healthy, guided outdoor walk on our trails! Please call 716.825.6397 to confirm walk will be taking place. *\$2 donation per person appreciated.*

Saturday, December 23

118th Annual Christmas Bird Count -8am to noon. Spend the morning counting birds in and around Beaver Meadow to help scientists understand changes in our local and worldwide bird populations. Call Beaver Meadow at 585-457-3228 or email Buffalo Audubon Naturalist Tom Kerr (tkerr.buffaloudubon@gmail.com) to register today. Birders of all ages and experience levels are welcome. Binoculars are available.

Nature Scavenger Hunt – 1:30 to 3pm. Buffalo Audubon Naturalist Mark Carra will take you outside near the Beaver Meadow Nature Center to search for items from nature to make an earth mask. Using clues to find beautiful examples of the bounty of the earth will make for a fun learning and creative experience. Search here and ye shall find. Pre-registration is required. Please call 585-457-3228 to register. \$5.

Nature Hike-10am. Enjoy the beauty of the season on a guided walk in the woods. We will use snowshoes if there is enough snow. Snowshoe rental \$5.00/person; Friends of Reinstein Woods members \$2.00/person. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Monday, December 25

Merry Christmas!

Tuesday, December 26

A Beaver Meadow Hike back in Time – 10 to 11:30am. Enjoy the rich history of Beaver Meadow by taking a long stroll around the trails here. From the beginnings of the Buffalo Audubon Society to the purchase of the “Refuge” property to the construction of our wonderful nature center. We will discuss the story of our humble roots to the newest ideas for tomorrow. Pre-registration is required. Please call 585-457-3228 to register. \$5.

Wednesday, December 27

Nature Grandparents – 10 to 11:30am. If you love nature and want to encourage your grandchildren to do the same, then join us at Beaver Meadow for a short walk and a nature craft! We will finish up with a delicious snack! Pre-registration is required. Please call 585-457-3228 to register. \$3 per child. Grandparents Free!

Frozen Forest Snowshoe Walk-10:30am. Explore the beauty of winter woods and learn how to identify local trees on this guided walk. Snowshoe rental \$5; \$2 Friends of Reinstein Woods members Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Center for the Study of Art, Architecture, History, & Nature (C-SAAHN) Lecture Series-Noon to 1pm at Downtown Buffalo & Erie County Public Library, Ring of Knowledge area (past Fable’s Café). Free and open to the public. For speaker and topic, visit <http://buffaloah.com/h/center/lib/17lec.html>.

Thursday, December 28

Knox Farm Hike for the Dogs– 1:30 to 3pm. Come hike with Buffalo Audubon Naturalist Mark Carra through the historic and scenic Knox Farm State Park with your best friend and closest companion, your dog. Between the history of the Knox family and the origins of the canine clan we will have an enjoyable walk, while cleaning up after our canine friends. Leashes are required for the hike. Pre-registration is required. Please call 585-457-3228 to register. Donations accepted.

Under the Ice-10:30am. Join us as we explore the winter world of our ponds. Children will participate in hands-on activities and games to discover how turtles, frogs, beavers, and more survive under the ice. For children in grades K through 5. Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Make a New Year’s Eve Kissing Ball 5:30 to 7 p.m. at Urban Roots, 428 Rhode Island St., Buffalo. Mistletoe symbolizes goodwill and longevity. A kissing ball welcomes guests and invites them to secure a kiss. Caesandra Seawell, will provide natural materials, ribbon, accents and real mistletoe. A fee of \$25 offsets the cost of materials, accents and tools. Space is limited to 10 people. Please RSVP to Urban Roots at 716-362-8982.

Wellness Walk at Tiff Nature Preserve- 10:00am - 12:00pm. Enjoy the fresh air and the sights and sounds of the season with a healthy, guided outdoor walk on our trails! Please call 716.825.6397 to confirm walk will be taking place. *\$2 donation per person appreciated.*

Christmas Bird Count: Oak Orchard-Compiler: Celeste Morien (celeste.morien@gmail.com or 585-721-8202).

Winterbreak Wild Child-9am to 1pm at Tiff Nature Preserve. Drop off your wild child for a half day of hiking, crafts, games, and hands-on live animal encounters (and relaxation for you!) Bring warm outdoor apparel, lunch and a reusable water bottle. Snack provided. Rain, snow, or shine. **Ages:** 5-8, **Price:** \$26; BMS members save 10%. Pre-registration required. [register](#)

Friday, December 29

Nature Resolutions to Make Your World Better – 10 to 11:30am. Come hike the Long Trail with Buffalo Audubon Naturalist Mark Carra at Beaver Meadow and talk about the ways you can live a greener life. It's the little things we can do to be kinder to our home, our earth. We'll question how everyday decisions affect the animals around you. Pre-registration is required. Please call 585-457-3228 to register. \$5.

Saturday, December 30

Niagara Rapids Birding – 10am to noon. Join Buffalo Audubon Naturalist Tom Kerr at Goat Island in Niagara Falls for a morning birding walk at one of the best hot-spots to see winter gulls and waterfowl in North America. The Three Sisters Islands are closed for the season, but New York State Parks has given us special access to view the gulls and ducks that spend their winter in the rapids above Niagara Falls. Binoculars are available. Pre-registration is required. Please call 585-457-3228 to register. Meet at Goat Island Parking Lot #3. Donations are gratefully accepted.

Christmas Bird Count: Hamburg-East Aurora-Compiler: Tom O'Donnell (tmodonnell@roadrunner.com or 716-284-5569).

Sunday, December 31

Beaver Island Blizzard Bash!-10 am to noon at [Beaver Island Nature Center](#). "Zing" in New Year's Eve on a snowshoe hike along the majestic Niagara River! A great chance to try our lightweight "Atlas" snowshoes or take a scenic power walk if there is no snow. Call (716) 549-1050 to register for program.

Monday, January 1

First Day Hike-11am. Ring in the New Year with a walk to look for birds! Registration required; call 716-683-5959. Reinstein Woods Nature Preserve.

Field Trip: Goat Island with Chris Kundl-Start your 2018 birding year list off on the right foot with the right guide at the right location...Goat Island with Chris Kundl! One of our local Larophiles will be on hand to help sort through the gang of gulls loafing off Three Sister's Islands. Last year, Chris found a Slaty-backed Gull here much to the delight of the local birding community. At the very least, we hope to see and admire Lesser Black-backed, Iceland and Glaucous Gulls as well as wintering Harlequin Ducks. Fish Crows have been recorded here this time of year as well. If conditions allow, we will also take a peak from Luna Island to see what is on hand at the base of The Falls. Passerine flocks foraging around the woods of Goat Island this time of year have included Pine Warbler and Winter Wren so we will be conscious of that. Meet at 9am at the SW corner of Goat Island near the entrance to Three Sister's Islands. Leave your car in Parking Lot 3 which is closest and free!

Christmas Bird Count: Dunkirk / Fredonia- Compiler: Joanne Goetz, p: 716-673-1627, goetz@netsync.net

First Day Hike: DeVeaux Woods State Park- 10am. (716) 282-5154. Hike through an old growth woods to the Niagara Gorge Rim Trail to see the rapids and whirlpool. Meet: Castellani Building. *Registration: Required*

First Day Hike-Evangola State Park at 10am. (716) 549-1050. See everything this park offers at an annual hiking event that connects people to their parks. In the event of snow we will outfit everyone with snowshoes for trail walking! Meet: Evangola Warm-Up Room. *Registration: Required.*

First Day Hike-Knox Farm State Park at 11am. (716) 652-0786. Start your New Year off right with an invigorating hike through Knox Farm and visit the parks largest trees! Bring a snack lunch. Meet up Location: Visitor's Center. Approx Distance: 2 miles

First Day Hike-Niagara Falls State Park @ 1:30pm. (716) 282-5154. Come and join us for an afternoon stroll as we welcome the first day of the new year at Niagara Falls! Lots of stories to be told along the way in the oldest State Park in America!! Meet: Parking Lot #3 – Goat Island. *Registration:* Required.

Tips for the Environment:

1. **Leaf them Alone, Mulch or Compost-** With our long warm fall, many leaves are still falling. Leaves are rich in carbon, which will balance greens in your compost pile like food scraps and grass clippings. Compost can be used as a mulch or mixed into the garden soil. Leaves will also help reduce some of the excess water in your compost bin which is released as the food breaks down. One of the best ways to fix this is to add leaves every time you add food scraps. [Collect and store leaves in the fall](#), then use them throughout the rest of the year.
2. **Don't Flush Wipes-** Baby wipes, even the ones advertised as "flushable", are among the most common objects that clog pipes and jam pumps at sewage treatment plants as well as many home toilets. We all pay for the costs associated with sewer infrastructure. Use washable cloth wipes instead or dispose of wipes with household trash. Plant-based wipes that are free of dyes and perfumes are available as greener options.

Remember the 4 R's: Reduce, Reuse, Recycle, Repair

By Lesley Haynes

As we approach the Christmas season and are caught up in the hustle and bustle of activities, it is important to be thoughtful about energy saving purchases. I have mentioned most of these things before but feel that they may be worth repeating.

Plan to purchase a living Christmas tree with roots attached. Later you can plant it in your yard or donate it to your local parks department. If it's a cut tree, recycle it. Shred the live tree and use the mulch in the garden around evergreen shrubs and trees.

If purchasing new holiday lights, consider seasonal light emitting diode, or LED, strings of lights. These can use up to 95 percent less energy than conventional bulbs, and they last seven times longer. Using holiday lighting wisely can lower power consumption. Timers and photo cells can also help reduce power usage by turning the lights on at dusk and turning them off at a desired time. Avoid leaving lights on all night. More strings of lights means more energy used - try reducing the number this season. Tinsel can be used to amplify lighting.

Be financially responsible: Overspending during the holidays will not only increase your stress now, but will leave you feeling anxious for months afterward as you struggle to pay the bills. Step back from the excessive gift-giving and practice simplicity, creativity and basic human kindness

Going green is the way to go when planning gifts. - When you give someone a "green gift" it means you went the extra distance for someone and for everyone. It means you have taken the time to consider the environment. It also means you have given a gift that shows something about you - and that you have created a ripple effect whose final result is too significant to calculate.

1. Make a gift from scratch. A personal effort to create something is always appreciated. Create something to show someone that you care. Picture frames and mirrors are perennial favorites and people tend to keep them.

2. Buy a gift that adds a lasting element to someone's life. A houseplant or a live organic herb garden can be wonderful gifts, which live on and bring joy (and oxygen) into the person's home. Buy a calendar printed on 100% recycled paper with daily affirmations and uplifting quotes. These will remain with the person for a year at least, and can make a difference every day.

3. Buy a stress-reducing present for someone. Get your best friend a gift certificate for a one-hour massage, facial or acupuncture treatment. How about a free week of yoga classes, Pilates or personal training sessions? You will be doing more for the recipient of these gifts than initially meets the eye.

4. Give to a charity. Instead of giving something directly, consider giving to a charity on behalf of a friend or family member. Many charities now allow you to track the progress being made as the result of your contribution. By doing this you are setting up a powerful connection for someone that can go way beyond a simple donation.

5. Buy something educational and entertaining. A book, CD or DVD can make a fantastic present especially when the content is uplifting.

Does the holiday have you feeling depressed? **Help others** not because you should, but because it is the best antidote to seasonal sadness. Find someone who is struggling more than you are, lend them a helping hand, and remember the real meaning of the holidays.

Jesus is the reason for the season!

Don't forget, "Together we can make a difference!" lesleyhaynes14@yahoo.com

Ongoing Volunteer Opportunities Available

Volunteer opportunities are available at local organizations for a one-time commitment for several hours to a regularly scheduled donation of your time. Websites are listed later in the newsletter.

Aquarium of Niagara- Scuba-certified volunteers needed to clean the sea lion exhibit (without animals) once monthly. Other opportunities exist for education, exhibit maintenance and other tasks.

AWARE (Association for Wild Animal Rehabilitation and Education) - Volunteers needed for fundraising, grant writing, capturing and transporting animals to us or the veterinarians, public relations, construction of cages, begging for donations of materials and food (for the animals, not us) and for helping at our educational programs.

Buffalo Audubon- Volunteers wanted for Beaver Meadow Audubon Center, and For the Birds Niagara! Help with tour leading, office work, programming, grounds keeping and general maintenance. Every Wednesday 10am-2pm is Volunteer Day at Beaver Meadow. No need to register, but bring a lunch. Call (800) 377-1520 for details.

Buffalo Carshare- This new non-profit has brought car-sharing to Buffalo. Volunteers are needed for office help and promotion. Contact them at <http://www.buffalocarshare.org/volunteer.html>.

Buffalo Central Terminal-Many different opportunities for people interested in helping to preserve this unique building-people with basic carpentry and repair skills, and those with plumbing or electrical skills, to work inside the building, as well as those interested in staffing events, assisting with fundraising, marketing, operating our gift shop, and other tasks. For info, check <http://buffalocentralterminal.org/you-can-help/volunteer-with-the-ctrc/>.

Buffalo & Erie County Botanical Gardens-Docents needed. Training is provided. Tours and hands-on lessons are scheduled in advance, so you may sign up for those that fit your schedule. Other opportunities to help are available too. For info, contact khammer@buffalogardens.com

Buffalo Junior Solar Sprint-If you are interested in helping run the JSS Buffalo event or are interested in finding out more about the Leadership committee, please contact jssbuffalo@yahoo.com.

Buffalo Museum of Science has volunteer and internship opportunities available for teens, college students and adults. For information, contact Monika McFoy, Director of Community Programs, at 896-5200, ext. 343.

Buffalo Niagara Waterkeeper- <https://bnwaterkeeper.org/programs/volunteer/> for opportunities.

Buffalo ReUse can use volunteers for many things. To help, contact them at volunteer@buffaloreuse.org.

Clean Air Coalition of WNY-Help with mailings, phone calls, canvassing and Photovoice (documenting environmental challenges). To help, contact at 852-3813 or www.cacwny.org.

Excalibur, a private, non-profit all volunteer, charitable organization seeks competent anglers and captains to help provide free boating and fishing opportunities on Lake Erie for disabled and disadvantaged persons using the organizations new vessel. Contact Director Jim Catalano at jim@excaliburl.org or visit <http://excaliburl.org>

Garden Walk Buffalo helps to rejuvenate neighborhoods, helps make our neighborhoods more walkable, and has an incredible impact on Buffalo's image outside the region. For info, email GardenWalkBuffalo@yahoo.com.

Go Bike Buffalo- If you're interested or want more information, info@gobikebuffalo.org

Habitat for Humanity needs volunteers to help impact lives of families in the city of Buffalo by building simple, decent homes. Call 204-0740 or volunteer@habitatbuffalo.org.

Hawk Creek Wildlife Center is seeking volunteers for who would like to work with wildlife. 16 years or older. Call 716-652-8646. Email info@hawkcreek.org.

HOME, Inc. (Housing Opportunities Made Equal) seeks volunteers to work on various committees to further fair housing. For info/application, email muj265@homeny.org or visit their website at www.homeny.org.

Iroquois Observations offers free nature programs in partnership with the Buffalo Audubon Society each spring and fall. Please contact Garner Light at 772-5110 or glight@rochester.rr.com for more information.

Junior Solar Sprint Buffalo- If you are interested in helping run the JSS Buffalo event or are interested in finding out more about the leadership committee, please contact jssbuffalo@yahoo.com

Lead Safe Erie County needs volunteers to help paint houses and prevent lead poisoning. For those who are interested, there is also free training for Lead Safe Work Practices Certification. Service learning students, block clubs and others are welcome. Call Mary at 716-833-2929, ext. 117.

Massachusetts Avenue Project needs volunteers from the 1st week in April through October on Saturdays from 10-1 PM. <http://mass-ave.org/>

Olmsted Parks-Volunteers are needed for tree plantings, special park events, office work and mailings. Please call (716) 838-1249 x. 33 for more info on becoming an Olmsted parks volunteer.

Penn Dixie Paleontological and Outdoor Education Center- Volunteers of all ages and backgrounds are needed. Have a few hours a month to help introduce children and adults to the natural sciences? Call (716) 627-4560.

Queen City Farms- Contact Meghan at meghmccallum@gmail.com. Remember that families with children are always welcome with parental supervision.

Preservation Buffalo Niagara-Interns & volunteers welcome. www.preservationbuffaloniagara.org.

Reinstein Woods Nature Preserve offers a variety of volunteer positions as well as internships for college students. For more info, call 683-5959 or visit <http://www.dec.ny.gov/education/1960.html>.

Science Firsthand needs adult mentors to work with children in learning about science. All materials are provided. Mentors and students meet one hour per week after school at a community center. For info, call 858-7548.

Tift Nature Preserve also needs volunteers for their programs, communications, fund-raising and other events. Call 662-1342 or email tiftfriends@yahoo.com.

Additional calendars with local events-

<http://artvoice.com/calendar>

<http://www.citybration.com>

<http://www.buffalospree.com>

<http://www.exploreny.net/events.php3>

<http://www.metroyny.com/events.php>

<http://www.buffalo.edu/calendar>

Re-Energize Buffalo Blog- <http://renewnrg.blogspot.com/>

<http://buffalorising.com>

<http://www.buffalobarnraisers.com/>

<http://rochesterenvironment.com/calendar.htm>

Additional local blogs and websites-

Buffalo Barn Raisers- <http://www.buffalobarnraisers.com/>

Buffalo Niagara Gardening - <http://www.buffalo-niagaragardening.com/>

Buffalo Niagara Nature Almanac- <http://bnnatureblog.com/>

Buffalo Issues Alert- <http://groups.yahoo.com/group/BfloIssueAlerts/>

Buffalo Promise Neighborhoods- <http://buffalopromiseneighborhood.org/>

Buffalo Tours- <http://buffalotours.blogspot.com/>

Buffalo Green Fund-<http://www.buffalogreenfund.org/>

Canning Tips for Food Preservation- <http://www.motherearthnews.com>

Campaign for Buffalo History, Architecture and Culture- <http://greaterbuffalo.blogs.com/>

Chirps and Cheeps Bird Blog- <http://www.chirpsandcheeps.com/>

Daily Public- <http://www.dailypublic.com/>

Dept. Environmental Conservation Calendar- <http://www.dec.ny.gov/calendar/>

DEC Green Living Tips- <http://www.dec.ny.gov/public/337.html>

Edible Buffalo- <http://ediblebuffalo.wordpress.com/>

Erie Cattaraugus Rail Trail- <http://www.ecatrail.org/>

Fix Buffalo- <http://fixbuffalo.blogspot.com/>

Gardening Speakers Bureau <http://gardentalkbuffalo.blogspot.com/p/blog-page.html>

GBNRTC-<http://www.gbnrtc.org/blog/>

Guide to Urban Farming- <http://smallfarms.cornell.edu/resources/>

Healthy Kids/Healthy Communities- <http://hkhcbuffalo.blogspot.com/>

Learning Sustainability Campaign- <http://www.learningsustainability.com/>

Parks and Trails NY Trailfinder Site- <http://www.ptny.org/trailfinder/Default.aspx>

Reuse Action-<http://reuseaction.com/blog/>

Rochester Environment- <http://www.rochesterenvironment.com/>

WNY Enviro- <http://groups.yahoo.com/group/WNY-ENVIRO/>

Outdoors Niagara- <http://www.outdoorsniagara.com/>

Environmental Tips- <http://www.globalstewards.org/ecotips.htm>
Good Neighborhood- <http://thegoodneighborhood.com/>
Buffalo Architecture and History- <http://www.buffaloah.com/>
Richardson-Olmsted <http://www.richardson-olmsted.com/>
Times Beach Nature Preserve- www.facebook.com/pages/Friends-of-Times-Beach-Nature-Preserve/283210257029
All about Nature- <http://www.meetup.com/All-About-Nature-in-WNY/>
Black Dog Rescue- www.blackdogsecondchance.org
Peace Weavers- <http://peaceweavers.org/>
Eco-Island Nature Center- www.k12.ginet.org/resources.cfm?subpage=6518
NY Sport Fishing- <http://www.fishny.com/>
Erie Canal Trailway- www.ptny.org/bikecanal
Niagara Watershed Alliance- <http://www.had-e-nuff.com/id6.html>
Rochester Roots-<http://www.rochesterroots.org/>
SOLE of Buffalo- <https://www.facebook.com/pages/SOLE-of-Buffalo/242409525795420>
New York Times Green Energy & Environment-<http://green.blogs.nytimes.com/>
South Buffalo CREW- <http://www.southbuffalocrew.com/>
U Save Buffalo/Recycling- <http://www.facebook.com/USaveBuffalo>
We Love Outdoors-<http://www.weloveoutdoors.com/>
WNY Chapter/American Chemical Society- <http://wny.sites.acs.org/>
Fishing Outdoors- <http://www.huntfishnyoutdoors.com/events.php>
WGRZ Outdoors- <http://www.wgrz.com/local/2-the-outdoors/>
Citizen Science Opportunities- [listing](#)

New York State Resources

Geographic Information Gateway <http://opdgig.dos.ny.gov/#/home>

Green Jobs, Internships and Opportunities

Environmental Internships-<http://environmentalinterns.ncseonline.org/>
Green Jobs- <http://www.greatgreencareers.com> , <http://www.greenjobs.com/>
UB Green Job list- <http://www.ub-careers.buffalo.edu/green.php>
Listing of websites-www.tinyurl.com/SustainabilityAndGreenJobs

Youth Summer/Holiday Camps/Home School Series

www.aquariumofniagara.org
www.buffaloudubon.org
www.buffalogardens.com
www.buffscience.org
www.tiftt.org
www.buffalozoo.org
www.penndixie.org
www.yourspca.org

Education Resources

[Green Education Foundation](#)
[Facing the Future](#)
[Cloud Institute for Sustainable Education](#)
[Sustainable Futures Institute](#)
[Nature Generation.](#)
[The Center for Ecoliteracy](#)
[Hamline's Center for Global Environmental Education \(CGEE\)](#)
[The National Science Teachers Association Learning Centers](#)
[The US Partnership for Education for Sustainable Development](#)

Grant Opportunities/Tools

<https://trust.guidestar.org/grant-writing-101-resources-for-grant-writers>
<http://assembly.state.ny.us/gan/>

www.wnygrantmakers.org/
www.grantstation.com
www.grantwatch.com
www.grantwrangler.com
www.grantsalert.com
<http://www.glrppr.org/funding/>
<https://attra.ncat.org/index.php>
<https://grantsreform.ny.gov/>

Urban Farms/ Composting/Rural Community-Supported Agriculture/Sustainable Practices-

Arden Farm- <http://theardenfarm.com/>
Becker Farms- <http://www.beckerfarms.com/csa>
Buffalo Organics/Foodscaping Project-<http://www.buffalofoodscaping.com/>
Busti Cider Mill- www.busticidermill.com
Canticle Farms-<http://www.canticlefarm.org>
Chicken Worth Eating-<http://www.chickenwortheating.com/>
Common Roots Urban Farm- <https://www.facebook.com/CommonRootsUrbanFarm/>
Dirt Rich Farm- <http://www.localharvest.org/dirt-rich-farm-M66269>
Eastern Monarch Butterfly Farm- <https://www.facebook.com/EasternMonarchButterflyFarm>
Erie County Farmers' Markets- <http://www.agriculture.ny.gov/AP/CommunityFarmersMarkets.asp#Erie County>
Falkimmer Farms- <http://falkimmerfarms.com/>
Farmer Pirates-<http://www.farmerpirates.com/>
Farmers and Artisans- <http://farmersandartisans.com>
Farmthisway CSA - <http://www.farmthisway.com/>
Fenton's Produce- www.fentonsproduce.com
First Light Farm and Creamery- <http://www.first-light-farm.com>
Five Loaves Farm- Kauffman.m@gmail.com
Flavor Farm- www.flavor-farm.com
Good Food Farm- www.goodfoodfarm.blogspot.com
Gormley Farms- <https://www.facebook.com/gormleyfarms>
Green Heron Growers- <http://www.greenherongrowers.com/>
Green Shoots- [www.jersbuffalo.org/index.php/programs/category/Green Shoots for New Americans](http://www.jersbuffalo.org/index.php/programs/category/Green%20Shoots%20for%20New%20Americans)
Groundwork Market Garden- <http://www.groundworkmg.com>
Harvest Patch- <http://www.harvestpatch.com/>
McCollum Orchards/Wildwood CSA- <http://www.oldfarmnewlife.com/>
Michigan Riley Farm- <http://michiganrileyfarm.wordpress.com/>
Native Offerings- <http://nativeofferings.com/>
Niagara Malt- www.niagaramalt.com
Plato Dale Farm- <http://www.platodalefarm.org/>
Porter Farms- <http://porterfarms.org/>
The Promised Land- <http://www.promisedlandcsa.com/produce.htm>
Queen City Farm- www.queencityfarm.org/
Reigle's on the Ridge- <http://www.localharvest.org/reigles-on-the-ridge-M48650>
Richardson Farms/Grace's Garden- <http://www.localharvest.org/richardson-farms-graces-garden-M51641>
Roots & Wings Family Farm- <http://www.rootsandwingsfamilyfarm.com>
Root Down- www.therootdownfarm.com
Sinemus Farms- <http://www.sinemusfarms.com/>
Singer Farms Naturals-www.singerfarmnaturals.com
Thorpe's Organic Farm- www.thorpesorganicfamilyfarm.com
T-Meadow Farms- <http://tmeadowfarm.com/>
Wilson Street Urban Farm- <http://wilsonstreeturbanfarm.wordpress.com/>
NY Sustainable Agriculture Working Group- <http://www.farmtraveleronline.com/>
NYSAWG Links to Farmers' Markets, CSA, Other farms- <http://www.nysawg.org/directory-of-farms.html>
Local Harvest (resource site)-<http://www.localharvest.org/>
NY Agri-women - <http://www.newyorkagriwomen.com/>
Local Meats- <http://meatsuite.com/>

Local Tourism promoting Sustainability

Buffalo Bites Food Tours- <http://www.buffalobitesfoodtours.com/>

Buffalo Tours- <http://www.preservationbuffaloniagara.org/buffalo-tours/>

Niagara Wine Trail - <http://www.niagarawinetrail.org/>

Recycling, Reuse, Disposal, Green Cleaning Options: (also check www2.erie.gov/recycling/index.php?q=node)

Batteries- Twin Village Salvage Recycling, 4153 Broadway, Depew 683-5373

Batteries, rechargeable- drop offs at Office Depot, Best Buy, Target, Walmart, Lowe's

Bicycles- Buffalo Blue Bicycle <http://gobikebuffalo.org/>

Books- www.booksforafrica.org, www.operationpaperback.org

Bottle and jar caps-Weisenbach Recycled Products in Ohio. CapsCando.com.

Bras- www.donateyourbra.com, www.brarecycling.us

Building materials- www.buffaloreuse.org

Carpet- WNY Professional Flooring, 864-3875

Cars- <http://www.donateacar.com/>

Clothing, general-Goodwill, Amvets, Salvation Army, St. Vincent Depaul Society, Ladies of Charity, Goodwill,

Hearts for the Homeless -to see what is accepted <https://www.nysar3.org/page/re-clothe-ny-78.html>

Clothing, formal/business- www.donatemyweddingdress.org/, www.careergear.org, www.dressforsuccess.org

Compact Fluorescent Light Bulbs-Accepted at all Home Depot stores, Lowe's

Computer disks, tapes and misc. techno"trash"- <http://greendisk.com/>

Computer equipment- local Goodwill stores and attended donation centers, Best Buy, Sunnking dropoffs

Cell Phones-Buffalo Zoo, Aquarium of Niagara and other charities

Drug disposal best practices and sites- <http://www.dec.ny.gov/chemical/45083.html>,

<http://www.dec.ny.gov/gmk/index.html?url=http://www.dec.ny.gov/maps/gmnysmeddropbox.kmz>

Electronics- www.greenergadgets.org/recycling-responsibly.html, most electronics stores, www.sunnking.com

City of Buffalo residents- 1120 Seneca Street, hours and info [here](#); Other residents, check with your towns.

Envelopes, tyvek- < 25: Send to Tyvek Recycle, Attn. Shirley B. Wright, 8401 Fort Darling Road, Richmond, VA 23237. More than 25: call 866/33-TYVEK.

Eyeglasses-Lions Club <http://donateglasses.net/search.html> for sites accepting donations

Fishing line: Berkley Recycling, 1900 18th St., Spirit Lake, IA 51360.

Fur coats (incl faux fur)- <http://coatsforcubs.com> (used for animal rehab for young animals)

Gift cards and customer loyalty cards- <http://www.earthworkssystem.com/consumers.html>

Green Cleaning programs in the workplace-<https://greencleaning.ny.gov/Entry.asp>

Greeting Cards- <http://www.stjudesranch.org/shop/recycled-card-program/>

Hazardous Household materials- <http://www.hazmanusa.com/>

Household Goods (Appliances, Furniture, Kitchenware)-Goodwill, Salvation Army, Ladies of Charity, St. Vincent DePaul Society (Main St.) 882-3600,

Ink cartridges-RecyclePlace.com and most manufacturers

Mattresses- <http://triadrecycle.com/mattress/> Hazman, Buffalo ReUse ReSource

Medicines, expired or unused- http://www.dec.ny.gov/docs/water_pdf/guidance3.pdf

Needles, Syringes etc.- <http://www2.erie.gov/health/index.php?q=needle-disposal-amp-access>

Packaging Materials (bubble wrap, peanuts)-UPS Store

Pharmaceuticals-dropoff sites at [map](#)

Plant pots- Mischler's Florist and Nursery, Lavocats Nursery, Lockwood's Nursery, Lowes stores, Home Depot

Plastic shopping bags, cereal liners, packing pillows-groceries, many retailers, www.plasticfilmrecycling.org

Plastics 1-7- dropoff at Great Lakes Recycling, 22 Mechanic St, North Tonawanda, 716-692-3448

Recycling A to Z - realsimple

Shoes, athletic-NikeReuseAShoe.com, Souls4Souls.org and OneWorldRunning.com

Sports equipment-resell/trade at www.playitagainsports.com

Styrofoam- Thermal Foams, Inc. fors clean, white Styrofoam at 2101 Kenmore Ave., 14207. Call first at (716) 874-6474.

Tennis balls- <http://www.rebounces.com/recycle/>

Toys, plastic- http://dmpgreen.com/mail_in.html

Uses and reuses for many items- <http://www.world.org/weo/recycle>

Water filters-Brita partners with preserveproducts.com/recycling

Wetsuits- <https://www.sugamats.com/recycling/>, <https://www.greengurugear.com/pages/recycling-to-upcycle-program>

Eco-volunteering with Travel:

<http://www.planetfriendly.net/learn.html>

<http://www.globalteer.org>

<http://www.ecovolunteer.org/>

<http://www.goeco.org/>

<http://www.woof.org/>

<http://www.americanhiking.org/>

Education Courses or Certificates:

Energy University Website with Schneider Electric- [Courses](#) are free

Green Classroom Professional Certificate- Online courses, info [here](#)

Solar Energy Training- <http://www.solarenergy.org/training-schedule/>

Coursera- www.coursera.org

Miscellaneous:

Green America's guide to Socially Responsible Investing- <http://pubs.greenamerica.org/i/116105>

Buffalo Relocation and Self-Promotion <http://www.wherelifeworks.com/>

Change Food Library <http://www.changefood.org/changefoodlibrary/>

USDA Tool Kit for Local Food [toolkit](#)

Links to area/state environmental/community sustainability organizations and regularly scheduled activities:

Adirondack Mountain Club-Niagara Frontier Chapter
Meetings 7:30, second Tues. from Sept.-June

<http://adk-nfc.org/>

AIA Buffalo Western NY

<https://www.aiabuffalowny.org/>

Air and Waste Management Association

<https://awmanfs.wildapricot.org/>

Allegany Nature Pilgrimage

<http://alleganynaturepilgrimage.com/>

Alliance for the Great Lakes

www.greatlakes.org

American Planning Association-WNY Section/Upstate

www.wnyapa.com

American Meteorological Society-WNY Chapter

www.facebook.com/amswnychapter

Amherst State Park Arboretum

<http://www.amherststatepark.org/ASP/Welcome.html>

Animal Advocates of Western New York

<http://www.animalswny.org/>

Aquarium of Niagara

www.aquariumofniagara.org

Asha Sanctuary for Rescued Farm Animals

<http://www.ashasanctuary.com/>

AWARE-Assoc. for Wild Animal Rehabilitation & Education

<http://www.awarewildlife.com/>

Bergen Swamp Preservation Society

<http://www.bergenswamp.org/>

Bless the Beasts Foundation	http://blessthebeastsinc.webs.com/
Bond Lake Environmental & Beautification Committee	http://www.freewebs.com/bondlake/
Braddock Bay Bird Observatory	http://braddockbaybirdobservatory.wordpress.com/
Buffalo Architecture Foundation	http://www.buffaloarchitecture.org/
Buffalo Astronomical Association	http://buffaloastronomy.com/
Buffalo Audubon Society/Beaver Meadow Nature Center	www.buffaloaudubon.org
Buffalo Bike Share	www.buffalobikeshare.org/
Buffalo Niagara Community Reinvestment Coalition	https://www.facebook.com/BNCRC/
Buffalo and Erie County Botanical Gardens	www.buffalogardens.com
Buffalo Farm to School Program	http://buffalofarmtoschool.org/
Buffalo First	www.buffalofirst.org/
Buffalo Geological Society	www.bgsny.org
Buffalo Green Code	http://www.buffalogreencode.com/
Buffalo Heritage Carousel	http://buffaloheritagecarousel.org/
Buffalo in Bloom	http://www.buffaloinbloom.com
Buffalo Maritime Center	http://www.buffalomaritimecenter.org/
Buffalo Museum of Science	www.sciencebuff.org/
Buffalo Niagara Waterkeeper	https://bnwaterkeeper.org/
Buffalo Olmsted Parks Conservancy	www.bfloparks.org
Buffalo Orienteering Club	http://www.buffalo-orienteeing.org/
Buffalo Ornithological Society	http://www.buffaloornithologicalsociety.org/
Buffalo Recycles	http://buffalorecycles.org/
Buffalo ReUse	www.buffaloreuse.org/
Buffalo Urban Development Corp	http://budc.ecidany.com/

Buffalo Zoo	www.buffalozoo.org
Burchfield Nature and Art Center	http://www.burchfieldnac.org/
Center for Environmental Information (Rochester)	http://ceinfo.org/
Center for the Study of Art, Architecture, History and Nature	http://buffaloah.com/h/center/index.html
Chautauqua Watershed Conservancy	http://www.chautauquawatershed.org/
Chestnut Ridge Conservancy	http://chestnutridgeconservancy.org/
Citizens Campaign for the Environment	www.citizenscampaign.org
Citizens Coalition for Wildlife and Environment	http://citizencoalitionwe.com/
Citizens for Regional Transit	www.citizenstransit.org/
Citizen Science Community Resources	http://www.airhugger.org/
City Action Corps	www.cityactioncorps.org
Clarence Bluebird Trail	www.clarencebluebirdtrail.org
Clean Air Coalition of Western New York	http://www.cacwny.org/
Clean Communities of Western New York	http://www.ccofwny.org/
Coalition of Positively Charged People	https://www.coalitionpositive.org/
Community Action Organization of Erie County	http://www.caoec.org/
Community Foundation for Greater Buffalo	http://www.cfgb.org/
Cornell Cooperative Extension for Cattaraugus County	http://chautauqua.cce.cornell.edu/
Cornell Cooperative Extension for Erie County	http://counties.cce.cornell.edu/erie/
Cornell Cooperative Extension for Niagara County	http://counties.cce.cornell.edu/niagara/
Daemen College Center for Sustainability	www.daemen.edu/enviro-news
Department of Environmental Conservation (NY State)	www.dec.ny.gov/index.html
Designing to Live Sustainably	https://www.facebook.com/d2lsBuffalo/
Earth Spirit Educational Services	www.earthspiritedu.org

Environmental Education Associates	http://environmentaleducation.com/
Environmental Protection Agency Local Office (716) 551-4410	http://www2.epa.gov/aboutepa/epa-region-2
Erie Canal Harbor Development	http://www.eriecanalharbor.com/
Erie County Community College Going Green	http://eccgoinggreen.ecc.edu/index.html
Erie County Conservation Society	http://eccs-club.org/
Erie County Department of Environment and Planning	http://www2.erie.gov/environment/
Erie County Environment Management Council	http://www2.erie.gov/environment/
Erie County Farm Bureau	http://www.ecfarm.com/
Erie County Federation of Sportsmen's Clubs	http://www.eriectyfsc.org/
Erie County Parks and Recreation	http://www.erie.gov/parks
Erie County Soil and Water Conservation	www.ecswcd.org/
Excalibur Leisure Skills	https://www.facebook.com/excaliburleisureskills/
Explore Buffalo	www.explorebuffalo.org
Farm2Curb	https://www.facebook.com/farmtocurb
Fillmore Forward	www.fillmoreforward.org/
First Hand Learning	www.firsthandlearning.org
Food Policy Council of Buffalo & Erie County	http://www2.erie.gov/fpc/
For A Clean Tonawanda Site	www.factsofwny.com/
Foundry	http://thefoundrybuffalo.org/
Friends of the Iroquois National Wildlife Refuge	http://www.friendsofiroquoisnwr.org/
Friends of Times Beach Nature Preserve	http://www.friendsoftimesbeachnp.org/
Foothills Trail Club	www.foothillstrailclub.org
Gardens Buffalo Niagara	https://gardensbuffaloniagara.com/
Garden Clubs of WNY	www.gardenclubsofwny.com

Genesee County Nature Center	http://co.genesee.ny.us/departments/parks/inc.php
Genesee County Village & Museum	https://www.gcv.org/
Global Justice Ecology Project	http://globaljusticeecology.org/
Go Bike Buffalo	http://gobikebuffalo.org/
Good Going WNY	www.goodgoingwny.com
Gooseneck Hill Waterfowl Sanctuary	www.gooseneckhillwaterfowlfarm.com
Grassroots Gardens of Buffalo	www.grassrootsgardens.org/
Greater Buffalo-Niagara Regional Transportation Council	www.gbnrtc.org/
Great Lakes Beach Sweep	http://greatlakesbeachsweep.org/
Great Lakes Center at Buffalo State College	http://greatlakescenter.buffalostate.edu/
Great Lakes Experience	http://www.thegreatlakesexperience.org
Green Development Zone	http://greendevlopmentzone.org/
Green Sun Seed Library	www.facebook.com/groups/GreenSunSeedLibrary/
Greenup Jamestown	https://www.greenupjamestown.com/
Greenworks WNY	https://www.facebook.com/Greenworks-Buffalo-Niagara-418537631544691/
Groundwork Buffalo	www.gwbuffalo.org
Habitat for Humanity Buffalo	http://www.habitatbuffalo.org/
HEART Animal Rescue and Adoption	https://www.heartforanimals.org/events.php3
Heart of the City Neighborhoods, Inc.	www.hocn.org
H.O.P.E of WNY	http://bkhopeducation.wixsite.com/hopeducation-network
Housing Opportunities Made Equal	http://www.homeny.org/
Imagine Greater Buffalo Lifelong Learning	http://imaginelifelonglearning.com/
Innovation Center Buffalo	http://innovationcenterbuffalo.org/
Iroquois National Wildlife Refuge	http://www.fws.gov/refuge/iroquois/

Jamestown Audubon Center & Sanctuary	www.jamestownaudubon.org
Jamestown Community College	http://www.sunyjcc.edu/sustainability
Jane's Walk-Buffalo	http://janewalk.org/united-states/buffalo-ny/
Junior Solar Sprint Buffalo	www.jssbuffalo.com
Lake Erie Seaway Trail Center	http://lakeerieseawaytrail.org/
League of Women Voters of Buffalo Niagara	http://www.lwvbn.org/
Learning Sustainability Campaign	http://www.learningsustainability.com/
Local Initiatives Support Corporation	http://www.lisc.org/buffalo/
Massachusetts Avenue Project	http://mass-ave.org/
Matt Urban Human Services Center	http://urbanctr.org/
Messinger Woods Wildlife Care and Education Center, Inc	www.messingerwoods.org
Nannen Arboretum	http://www.nannenarboretum.org/
Nature Conservancy-Central and Western New York Chapter	http://Nature.org/centralwestern
Nature Sanctuary of Western New York	http://nsswny.org/
New York Farm Bureau	http://www.nyfb.org/
New York Flora Association	http://www.nyflora.org/
New York Forest Owner's Association	www.nyfoa.org
New York Interfaith Power and Light	www.newyorkipl.org/
New York League of Conservation Voters	http://www.nylecv.org/
New York Power Authority	www.nypa.gov
New York Public Interest Research Group	http://www.nypirg.org/
New York State Association of Conservation Commissions	http://www.nysaccny.org/index.php
New York State Ornithological Association	http://nybirds.org/index.html

New York State Outdoor Education Association	http://nysoea.org/
New York State Parks	www.nysparks.com
New York State Sea Grant	http://www.seagrantsunysb.edu/
New York State Soil and Water	http://www.nys-soilandwater.org/
Northeast Sustainable Agriculture Working Group	http://nesawg.org/
New York Upstate Chapter of the Green Building Council	http://www.greenupstateny.org/
New York State Wetlands Forum	http://www.wetlandsforum.org
Niagara County Farm Bureau	http://www.niagaracountyfarmbureau.com/
Niagara County Landfill and Recycling	http://www.rethinkyourwaste.com/
Niagara County Parks	http://www.niagaracounty.com/Parks/
Niagara County Soil and Water Conservation District	www.niagaraswcd.com
Niagara Frontier Botanical Society	https://sites.google.com/a/niagarafontierbotanicalsociety/botanical-society/home/
Niagara River Anglers Association	http://www.niagarariveranglers.com
Niagara River Greenway Commission	www.niagaragreenway.org
Niagara University Sustainability	http://www.niagara.edu/green/
Northeast Organic Farming Association of New York	http://nofany.org
Oakmossed Education	http://oakmossed.com
One Region Forward	http://www.oneregionforward.org/
Open Buffalo	http://www.openbuffalo.org/
Partners for a Livable WNY	https://www.livablewny.org/
Partnership for the Public Good	www.ppgbuffalo.org
Paths, Peaks and Paddles	www.pathspeakspaddles.com
Penn Dixie Paleontological and Outdoor Education Center	www.penndixie.org

Pfeiffer Nature Center (Portville)	www.pfeiffernaturecenter.org
People United for Sustainable Housing	http://www.pushbuffalo.org
Plant WNY	http://www.plantwny.com/
Preservation Buffalo Niagara	http://www.preservationbuffaloniagara.org/
Primate Sanctuary	http://theprimatesanctuary.com
Regional Councils NYS	http://regionalcouncils.ny.gov
Reinstein Woods Nature Preserve	www.dec.ny.gov/education/1837.html
ReNU Niagara	http://www.niagara.edu/renu/
Reptile Adoption, Rehabilitation and Education, Inc. (RARE)	http://rarerehab.org/
Restore our Community Coalition	http://rocbuffalo.org/
Retree Western New York	www.re-treewny.org
ReUse Action	http://reuseaction.com/
Rise Up for Climate Justice	https://www.facebook.com/riseupforclimatejustice/
Rochester Environmental Groups	http://rochesterenvironment.com/EXTRA/enviromentalists.htm
Roger Tory Peterson Institute	www.rtpi.org
Service Collaborative of WNY	http://www.tscwny.org/
Sierra Club (Niagara Group of Atlantic Chapter)	http://niagarasierraclub.com/
Slow Roll Buffalo	http://slowrollbuffalo.org/
South Buffalo Alive	https://www.facebook.com/South-Bufferalo-Alive-174141769403626/
SPCA serving Erie County	www.yourspca.org
Street Synergy	http://www.streetsynergy.org/
SUNY Fredonia	http://www.fredonia.edu/gogreen/
Sustainability at Buffalo State	http://sustainability.buffalostate.edu/
Sustainable Earth Solutions	www.sustainableeartholutions.com

Tesla Fest	https://www.teslafest.org/
Tifft Nature Preserve	http://www.tifft.org/tifft/
Tonawanda Creek Watershed Committee	https://tonawandacreek.shutterfly.com/
Tonawanda Tomorrow	http://tonawandatomorrow.org/
Tuscarora Environmental Task Force	http://www.tuscaroraenvironment.com
21 st Century Park on the Outer Harbor	http://21stcenturypark.org/
UB Engineers for a Sustainable World	http://www.eng.buffalo.edu/esw
UB Environmental Network	https://www.facebook.com/groups/2239558471/
UB Office of Sustainability	http://www.buffalo.edu/sustainability.html
UB Regional Institute	http://regional-institute.buffalo.edu/
University Heights Collaborative	http://ourheights.org/
UnwasteNY	http://www.unwastenyc.org
Urban Land Institute	http://newyork.uli.org/regional/
Urban Roots	www.urbanroots.org/
US Army Corps of Engineers-Buffalo District	http://www.lrb.usace.army.mil/
US Coast Guard-Boating Safety	http://www.wnyboatsafe.org/
Vision Niagara	http://visionniagara.org/
Voice-Buffalo	http://www.voice-buffalo.org
WASH Project	http://thewashproject.org/
Wellness Institute	http://www.healthycommunitynetwork.com/
Western Chapter New York Water Environment Association	http://nywea.org/
Western New York AmeriCorps (Service Collaborative)	http://www.tscwny.org/
Western New York Earth Day	http://www.wnyearthday.org/
Western New York Environmental Alliance	http://www.growwny.org/

Western New York Family Nature Club	http://lthibault.wixsite.com/wnyfamilynatureclub
Western New York Herpetological Society	http://www.wnyherpsociety.org/
Western New York Hiking Trails and resources	www.wnyhikes.com
Western New York Land Conservancy	http://www.wnylc.org/
WNY Nursery and Landscape Association (PLANT WNY)	http://www.plantwny.com/
WNY Partnership for Invasive Species Mgmt (PRISM)	www.wnyprism.org
WNY Mountain Bike Association	http://www.wnymba.org
WNY Permaculture	https://www.facebook.com/WNY-Permaculture-1098493876841295/
Western New York Science Congress	http://wnysc.org/
Western New York Service Learning Coalition	http://levesqueinstitute.niagara.edu/programs/wnyslc/
Western New York Soil Health Alliance	www.wnysoilhealth.com
WNY STEM	http://wnystem.org/
Western New York Stormwater Coalition	http://www2.erie.gov/environment/
Western New York Sustainable Business Roundtable	http://www.wnysustainablebusiness.org/
Western New York Sustainable Energy Association	https://www.facebook.com/WNYSEA
WNY Peace Center Renewable Energy Task Force	http://wnypeace.org/wp/
West Side Ministries (716 Ministries)	http://www.westsideminstries.org/
West Valley Citizen Task Force	www.westvalleyctf.org
Wild Kritters	http://www.wildkritters.com/
Wild Spirit Education	http://www.wildspirit.org/
Wind Action Group	https://buffalowind.wordpress.com/
Working for Downtown	http://www.workingfordowntown.org/
World on your Plate	http://www.worldonyourplate.org/